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DOCUMENTATION OF SURVIVABILITY/VULNER-ABILITY RELATED AIRCRAFT MILITARY SPECIFICATIONS AND STANDARDS

W. D. Dotseth, et al

Rockwell International Corporation

Prepared for:

Joint Technical Coordinating Group for Aircraft Survivability

April 1975

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### DOCUMENTATION OF SURVIVABILITY/ VULNERABILITY RELATED AIRCRAFT MILITARY SPECIFICATIONS AND STANDARDS

**Final Report** 

W. D. Dotseth R. W. Nickel

**April 1975** 

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### **FOREWORD**

This report contains the results of research performed under AFFDL (Air Force Flight Dynamics Laboratory), Wright-Patterson Air Force Base, OH, Contract F33615-73-C-3147, Project 6065, Aerospace Vehicle Recovery and Escape Subsystems, Task 606502, Aerospace Crew Station and Protection. The work was conducted between September 1973 and June 1974.

The work was sponsored by JTCG/AS as part of the 3-year TEAS (Test and Evaluation Aircraft Survivability) program. The TEAS program was funded by DDR&E/ODDT&E. The effort was conducted under the direction of the JTCG/AS Design Criteria and Specifications Subgroup, Ad Hoc Committee II, as part of TEAS element 5.1.8.2, Documentation of Survivability/Vulnerability Related Aircraft Military Specifications and Standards. Mr. George Ducker was the committee chairman and program monitor.

The purpose was to identify military specifications and standards which impact S/V (survivability and vulnerability) of combat aircraft and document the nonnuclear (including high energy lasers) S/V provisions and requirements, noting the deficiencies in these documents. This report contains the results of this study, with specifications and standards listed in alphanumeric order, including identification of S/V provisions and/or deficiencies. This study was conducted by Los Angeles Aircraft Division of Rockwell International, Los Angeles, CA. Mr. Walter Dotseth was the program manager.

The report was released by the authors on 25 June 1974 for publication.

The members of Ad Hoc Committee II are:

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### DISCLAIMER

Estimates in this report are not to be construed as an official position of any of the Services or of the Joint AMC/NMC/AFLC/AFSC Commanders.

### NOTE

Information and data contained in this document are based on reports available at the time of preparation, and the results may be subject to change. Air Force Flight Dynamics Laboratory

Documentation of Survivability Vulnerability Related Aircraft Military Specifications and Standards, by W. D. Dotseth and R. W. Nickel, Los Angeles Aircraft Division of Rockwell International, Los Angeles, CA. Wright-Patterson Air Force Base, OH, AFFDL, for Joint Technical Coordinating Group/Aircraft Survivability, April 1975. 180pp. (JTCG/AS-74-D-003, publication UNCLASSIFIED.)

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### INTRODUCTION

### **SCOPE**

This report delineates a research and analysis program that identified and documented S/V (survivability/vulnerability) related military aircraft specifications and standards.

### **OBJECTIVE**

The program objective was to identify and document nonnuclear (including high energy lasers) S/V provisions and/or deficiencies in relevant military aircraft specifications and standards. This documentation provides JTCG/AS with a detailed compilation of the status of nonnuclear S/V provisions imposed on military aircraft, and areas where provisions are inadequate or missing. It is intended that information herein be used: (1) for analysis and generation of programs, and (2) to systematically and efficiently incorporate meaningful S/V provisions in applicable specifications and standards.

### STUDY APPROACH

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The program was accomplished as follows (Figure 1):

- 1. Task 1 Identified all military specifications and standards, with information and opinions on criteria for S/V provisions.
- 2. Task 2 A preliminary screening of all identified military aircraft specifications and standards, and selection of those that met the criteria for subsequent analysis.
- 3. Task 3 Development of analysis criteria for specification and standards S/V provisions and/or deficiencies.
  - 4. Task 4-Preparation of interim report draft.
- 5. Task 5-Review of interim report draft by JTCG/AS Subgroup Ad Hoc committee.
  - 6. Task 6 Preparation of final text of interim report.
- 7. Task 7-Analysis of candidate specifications and standards listed in interim report to identify S/V provisions or deficiencies.
  - 8. Task 8 Preparation of final report draft.
  - 9. Task o- Review of final report draft by JTCG/AS Subgroup Ad Hoc committee.
- 10. Task 10 Preparation of final report, incorporating all JTCG/AS comments and corrections.

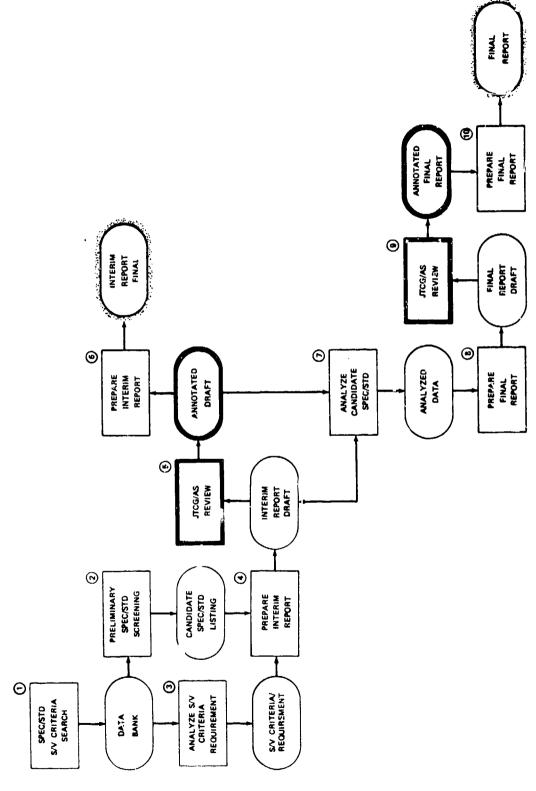


Figure 1. Program Task Flow Diagram.

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### PRELIMINARY SCREENING

### **SCREENING CRITERIA**

Criteria were developed for preliminary screening of all military specifications and standards that identified a list of candidates for analysis. The primary objective was to include all military aircraft subsystems and their related components to levels that would ensure complete coverage and consideration of S/V provisions. Separate criteria were developed for military specifications and standards.

### Military Specification

A military specification was judged to be qualified for inclusion in the candidate list if it pertained to the following:

- 1. Aircraft configuration
- 2. Subsystems general specification
- 3. Component general specification
- 4. Specific components/materials with S/V feature
- 5. 'litary aircraft consumables (fuel, oil, hydraulic fluid, etc.)
- 6. Ballistic protection material (armor)

### Military Standard

There are three types of military standards as defined by Defense Standardization Manual 4120.3-M. These are book form (MIL-STD), unit page (MIL-STD), and sheet form (MS). For this program, only the book form military standard documents were found to be of interest. Unit page military standard documents are structured to provide charts, standard design layouts, formulas, graphs, and lists of engineering data. Where used for a standard piece of equipment, they refer to a book form military standard that contains the overall requirements and other supporting sections. Sheet form military standards provide ar identification of stand ' parts used for component building blocks (such as fasteners, resistors, tubes, etc.). These, in turn, refer to book form military standard for full details. Criteria for listing a book form military standard included the following categories:

- 1. Design method
- 2. Design process
- 3. System engineering
- 4. Installation of armor

### Document Data

The listing of DoD (Department of Defense) specifications and standards were reviewed using the defined criteria. For each identified specification or standard, the following information was established::

- 1. Document number
- 2. Date (specified in DoD index)
- 3. FSC (federal supply code) number
- 4. Document preparer
- 5. Document classification
- 6. Coordinating military service(s)
- 7. Document title

### AIRCRAFT SUBSYSTEMS

Figure 2 shows 15 aircraft subsystem categories were established for the program, reflecting the general arrangement of the aircraft industry design groups. These encompass the spectrum of design disciplines required for all military aircraft. Included in the subcategories is one for armor subsystems, a relatively new system discipline that has been included in armament system design areas.

### MILITARY SERVICES

The specification and standards were reviewed for the following using activities. Triservice, Army, Air Force, and Navy.

### **DATA SOURCES**

The DoD Index of Specifications and Standards was used as the primary source of documents. It lists all unclassified specifications and standards. S/V focal point activities were contracted within each of the three major military services to identify other military specifications or standards that were either classified or not included in the DoD index. These activities were NASC (Naval Air Systems Command) and AFSC (Air Force Systems Command), Washington, D.C., and AASC (Army Aviation Systems Command), St. Louis, MO. From these inputs, primary screening was conducted.

### INTERIM REPORT SUMMARY

A total of 743 documents (686 military aircraft specifications and 57 military aircraft standards) were identified as candidates for analysis. The total number of documents and number of documents in each subsystem was changed as a result of the analysis for the final report, some deleted and others added. The final number of documents are listed in Table 1 by subsystems. The interim report was published as Rockwell International, Los Angeles Aircraft Division Document NA-73-877.

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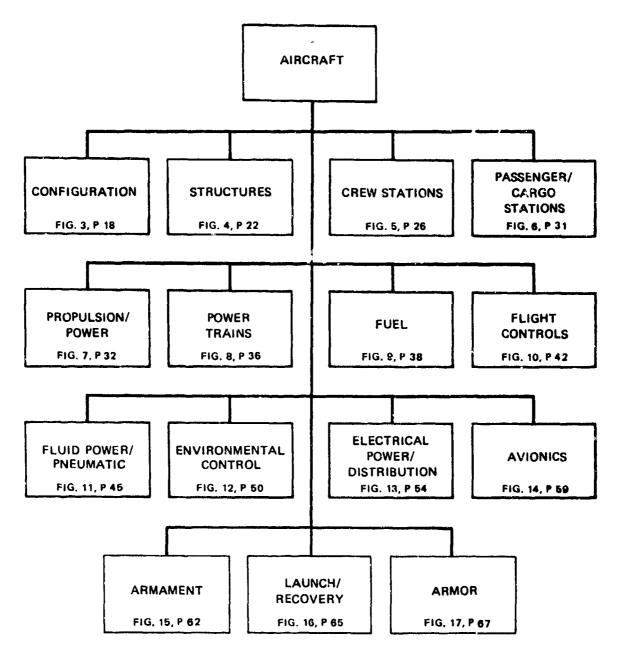


Figure 2. Aircraft Subsystem Categories.

Table 1. Final Number of Documents by Subsystem.

Aircraft svosystems	Military specifications	Military standards
Configuration	25	18
Structures	28	5
Crew stations	56	5
Passenger/cargo stations	7	0
Propulsion/power	41	2
Power trains	9	0
Fuel	41	0
Flight controls	22	0
Fluid power/pneumatic	51	1
Environmental control	50	3
Electrical power/distribution	60	2
Avionics	30	6
Armament	29	4
Launch/recovery	18	1
Armor	30	2

### **DOCUMENT ANALYSIS**

### **CRITERIA**

Criteria for analyzing each candidate document were developed through contact and discussion with the three military services S/V activities. From these discussions, the following S/V provisions criteria were established and approved by the Ad Hoc committee:

- 1. General provision refers to specific aircraft system specification for:
  - a. Hostile weapon systems and their effects (ballistics and laser)
  - b. Secondary weapon effects (i.e., spall, fire, corrosive fluids/vapors, etc.)
  - c. Kill categories and definitions for mission completion
  - d. Minimized observable values or objectives for radar, infrared, aural, and visual signatures
  - e. Quality assurance (test and/or analysis)
- 2. Specific provision defined capability level of subsystems and/or components for:
  - a. Weapon effects protection
  - b. Secondary effects protection
  - c. Suppression of hazardous response or generation of secondary hazardous environments
  - d. Levels for radar, infrared, aural, or visual signatures.

The following specific document sections\* were identified for consideration during the analysis:

- 1. Scope identifies S/V interface with document
- 2. Applicable documents identifies related S/V specifications, standards, design guides, handbooks, and other technical publications
  - 3. Requirements
    - a. General
    - b. Specific
  - 4. Quality assurance
    - a. Test
    - b. Analysis
  - 5. Notes identifies applicability of specification (not required in military standards).

The analysis included documentation of S/V provisions or deficiencies found in each of the aforementioned sections. This was processed to include the latest information, since analysis showed some changes were made since the issuance of the current D<sub>2</sub>D index.

The results of individual document analysis were listed in alphanumeric order for military aircraft specifications and standards and specific service specifications or standards considered relevant by the Ad Hoc committee.

Aircraft system and subsystem groupings were established under *Preliminary Screening* in this document, using 15 separate categories (Figure 2). These reflect general arrangements of aircraft industry design groups and were developed since no specific listings are available other than those included in military design handbooks and guides. For the arrangement in this study, there was found to be a lack of general subsystem specifications or standards for the following:

- 1. Aircraft configuration
- 2. Aircraft structures
- 3. Crew stations
- 4. Passenger/cargo stations
- 5. Propulsion/power
- 6. Power trains
- 7. Launch/recovery
- 8. Armor

Nonnuclear S/V provisions could be established for these subsystems if a general specification existed.

Specification headings vary. Applicable Documents and Notes are also termed References and Definitions, respectively.

### ORDER OF PRECEDENCE CATEGORIES

An order of precedence for incorporation of specifications and standards was established. An analysis was conducted to segregate the documents into three categories, in order of importance, as follows:

- 1. Flight-essential subsystems/components
- 2. Mission-essential subsystems/components
- 3. Lower-tier subsystems/components whose S/V requirements will be adequately contained in higher-tier documents.

This segregation minimized the number of documents that will require changes and established the proper order of priorities. Definitions were established for the categories as follows:

- 1. Flight-essential subsystems/components are required for a contemporary aircraft (fixed or rotary wing) to maintain controlled flight sufficient for return to a recovery area. Future military aircraft flight-essential functions may be primarily or fully dependent upon electrical or electronic systems. When this occurs, suitable nonnuclear S/V provisions will be considered for incorporation into appropriate documents.
- 2. Mission-essential subsystems/components are required for operation of functions, other than controlled flight for military aircraft combat operations, including fire control, we there delivery, target detection/identification, and penetration aids, etc.
- 3. Lower-tier subsystems/components includes those where adequate nonnuclear S/V provisions can be incorporated into higher-tier documents without sacrificing effective survivability or cause ambiguous or misleading interpretation. The majority of military specifications are in this category.

The resulting sequential order is illustrated in Figures 3 through 17. (See page 18.) The data which follows each figure lists the assignee, FSC, title, preparing activity, and document number. This arrangement provides identification of the assignee activities involved in a program incorporating nonnuclear S/V provisions. Table 2 contains the identification of military activities associated with each assignee and FSC.

### PROVISIONS/DEFICIENCIES SUMMARY

Deficiencie - vere identified as general or specific.

A general deficiency is defined as the absence of nonnuclear S/V provisions, that should refer to aircraft system procurement specifications for specific S/V scope, applicable documents, requirements, quality assurance, and intended use. This would include such areas as radar cross section; visual, infrared, and aural detection signatures; ballistic and/or laser weapon effects hardening; fire and explosion suppression, etc.; and other secondary hazards that may be created by primary hostile weapon effects.

A specific deficiency is defined as the absence of adequate nonnuclear S/V provisions in a section that relates to a level of survival enhancement, including provisions such as self-sealing or ballistic tolerance for specific size, type, and impact conditions for projectiles and/or fragments. For example, a specific deficiency is considered to exist if protection for a .50-caliber projectile is cited, but does not specify type (ball, armor-piercing, armor-piercing-incendiary, tracer, etc.) or a quantitative criteria for acceptance or rejection.

Table 2. Federal Supply Classification and Assignee Codes.

FSC	Title	Assignee code
1005	Guns Through 30 MM	WC
1270	Aircraft Gunnery Fire Control Components	84
1285	Fire Control Radar Equipment, Except Airborne	MU
1336	Guided Missile Warheads and Explosive Components	70
1337	Guided Missile and Space Vehicle Explosive Propulsion Units Solid Fuel	70
1340	Rockets, Rocket Ammunition, and Rocket Components	os
1345	Land Mines	PA
1370	Pyrotechnics	PA
1375	Demolition Materials	PA
1376	Bulk Explosives	PA
1377	Cartridge and Propellant Actuated Devices and Components	MU
1410	Guided Missiles	70
1420	Guided Missile Components	70
1440	Guided Missile Launchers	70
1 500	Aircraft and Airframe Structural Components	11
1510	Fixed Wing Aircraft	11
1520	Rotary Wing Aircraft	AV
1560	Airframe Structural Components	80
1610	Aircraft Propellers	84
1615	Helicopter Rotor Blades, Drive Mechanisms, and Components	ΑV
1620	Aircraft Landing Gear Components	70
1630	Aircraft Wheel and Brake Systems	70
1640	Combined With 1560	
1650	Aircraft Hydraulic, Vacuum, and De-Icing System Components	AS
1660	Aircraft Air Conditioning, Heating, and Pressurizing Equipment	71
1670	Parachutes; Aerial Pickup, Delivery, Recovery Systems; and Cargo Tiedown Equipment	82
1680	Miscellaneous Aircraft Accessories and Components	82
1710	Aircraft Arresting, Barrier, and Barricade Equipment	AS
1720	Aircraft Launching Equipment	AS
2530	Vehicular Brake, Steering, Axle, Wheel, and Track Components	CS

Table 2. Federal Supply Classification and Assignee Codes (Contd.)

FSC	Title	Assignee code
2620	Aircraft Tires and Tubes Pneumatic	70
2810	Gasoline Reciprocating Engines, Aircraft; and Components	82
2835	Gas Turbines and Jet Engines, Except Aircraft; and Components	ME
2840	Gas Turbine and Jet Engines, Aircraft; and Components	71
2845	Rocket Engines and Components	70
2915	Aircraft Engine Fuel System Components	82
2925	Aircraft Engine Electrical System Components	82
2935	Aircraft Engine Cooling System Components	71
2945 2950	Aircraft Engine Air and Oil Filters, Strainers, and Cleaners Turbosuperchargers	71 71
2995	Aircraft Miscellaneous Engine Accessories	71
3010	Torque Converters and Speed Changers	ME
3040	Miscellaneous Power Transmission Equipment	ME
3424	Metal Heat Treating and Nonthermal Treating Equipment	IP
3460	Machine Tool Accessories	IP
4010	Chain and Wire Rope	IS
4030	Fittings for Rope, Cable, and Chain	IS
4210	Fire Fighting Equipment	ME
4240	Safety and Rescue Equipment	EA
4320	Power and Hand Pumps	ME
4720	Hose and Tubing Flexible	CS
4730	Fittings and Specialities: Hose, Pipe, and Tube	CS
4820	Valves, Nonpowered	SH
4920	Aircraft Maintenance and Repair Shop Specialized Equipment	82
4925	Ammunition Maintenance and Repair Shop Specialized Equipment	OS
4930	Lubrication and Fuel Dispensing Equipment	ME
5130	Hand Tools, Power-Driven	GL
5355	Knobs and Pointers	IS
5689	Miscellaneous Construction Materials	ME
5826	Radio Navigation Equipment Airborne	84
5840	Radar Equipment Except Airborne	80
5845	Underwater Sound Equipment	SH
5905	Resistors	ES
5910	Capacitors	ES
5915	Filters and Networks	ES

Table 2. Faderal Supply Classification and Assignee Codes (Contd.)

F <b>S</b> C	Title	Assignee code
5920	Fuses and Lighting Arresters	ES
5925	Circuit Breakers	ES
5930	Switches	ES
5935	Connectors, Electrical	ES
5940	Lugs, Terminals, and Terminal Strips	GS
5945	Relays, Contactors, and Solenoids	ES
59 <b>50</b>	Coils and Transformers	ES
5 <b>955</b>	Piezoelectric Crystals	EL
5960	Electron Tubes and Associated Hardware	FS
5961	Semiconductor Devices and Associated ! Iardware	ES
5962	Microelectronic Circuit Devices	ES
5965	Headsets, Handsets, Microphones, and Speakers	EL
5970	Electrical Insulators and Insulating Materials	GS
5975	Electrical Hardware and Supplies	GS
5985	Antennas, Waveguides, and Related Equipment	ES
5990	Synchros and Resolvers	AS
6105	Electrical Motors	SH
611 <b>0</b>	Electrical Control Equipment	SH
6115	Electrical Generators and Generator Sets	ME
6125	Converters, Electrical, Rotating	82
6130	Converters, Electrical, Nonrotating	SH
6140	Secondary Batteries	AS
6145	Electrical Wire and Cable	IS
6150	Miscellaneous Electric Power and Distribution Equipment	ME
6220	Electric Vehicular Lights and Fixtures	GS
6340	Aircraft Alarm and Signal Systems	82
6600	Instruments and Laboratory Equipment	71
6605	Navigational Instruments	SH
6610	Flight Instruments	71
6615	Automatic Pilot Mechanisms and Airborne Gyro Components	71
6620	Engine Instruments	71
6625	Electrical and Electronic Properties Measuring and Testing	EL
	Instruments	
6680	Liquid and Gas Flow, Liquid Level and Mechanical Motion	AS
6405	Measuring Instruments  Processor Temporature and Humidity Measuring and Con-	82
6685	Pressure, Temperature, and Humidity Measuring and Controlling Instruments	02
6830	Gases, Compressed and Liquified	GS
0050	Values, Compressed and Enquiried	1

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Table 2. Federal Supply Classification and Assignee Codes (Contd.)

FSC	Title	Assignee code
6850	Miscellaneous Chemical Specialties	GS
6910	Training Aids	70
7440	Automatic Data Processing Systems: Industrial, Scientific, and Office Types	EL
8010	Paints, Dopes, Varnishes, and Related Products	MR
8030	Preservative and Sealing Compounds	MR
8940	Adhesives	AS
8120	Commercial and Industrial Gas Cylinders	GS
8305	Textile Fabrics	DP
8415	Special-Purpose Clothing	DP
8470	Personal Armor	DP
8475	Specialized Flight Clothing and Accessories	DP
9130	Petroleum Base Liquid Propellants and Fuels	PS
9135	Chemical Base Liquid Propellant Fuels and Oxidizers	68
9150	Cutting, Lubricating and Hydraulic Oils and Greases	GS
9320	Rubber Fabricated Materials	GS
9330	Plastics Fabricated Materials	GS
9340	Glass Fabrication Materials	GS
9350	Refractories and Fire Surfacing Materials	GS
9500	Metal Bars, Sheets, and Shapes	IS
9515	Iron and Steel: Plate, Sheet and Strip	IS
9535	Nonferrous Base Metal: Plate, Sheet, Strip and Foil	IS
13GP	Ammunition and Explosive	EA
14GP	Guided Missiles	70
15GP	Aircraft and Airframe Structural Components	11
47GP	Pipe, Tubing, Hose, and Fittings	CS
58GP	Communication, Detection, and Coherent Radiation Equipment	EC
59GP	Electrical and Electronic Equipment Components	ES
66GP	Instruments and Laboratory Equip	71
FORG	Forgings	SH
MFFP	Metal Finishes and Finishing Processes and Procedures	MR
TMSS	Technical Manual Specification and Standards	16
MECA	Metal Castings	MR
MISC	Miscellaneous (Not Otherwise Assigned)	WR

Table 3 contains the summary of nonnuclear S/V provisions and deficiencies found in the documents analyzed. No military specification or standard was found that contained specific S/V provisions for high energy laser protection. This is not unusual, since it is a relatively new technical area where application to military aircraft is in preliminary development.

Documents found to be deficient in nonnuclear S/V provisions are listed and shown for general and specific deficiencies in each section. This listing shows only the absence of such provisions, and does not establish incorporating actions beyond the scope of this program (conducted merely to identify the major military specifications/standards where nonnuclear S/V provisions could be applied).

Provisions and deficiencies are shown to provide an indication of relative status. A preliminary listing of specifications and standards are considered primary candidates for incorporation of general or specific S/V provisions.

Table 3. Military Specifications/Standards Nonnuclear S/V Provisions/Deficiencies.

	Document Section					
Provisions/dericiencies	Scope	Applicable documents	Requirements	Quality assurance	Notes	Total
Adequate Specific	62	63	91	74	74	364
Deficient General Specific	597 2	595 3	555 15	511 16	583 4	2,841 40

### LISTING OF AIRCRAFT S/V RELATED SPECIFICATIONS AND STANDARDS

The military aircraft S/V related specifications and standards identified in this study are in alphanumeric order beginning on page 71. Figure 18 (page 70) explains the format:

- 1. The first line contains the document number, date, associated subsystem, service, document classification, preparer, FSC, and type of nonnuclear S/V provisions deficiency for each section of the document (scope, references, requirements, quality assurance, and definitions or notes).
  - 2. The second line lists any amendments or supplements.
  - 3. The third line contains the document title.
- 4. The remaining lines contain reference to the specific paragraphs in the document where S/V provisions are contained, or a statement of no provisions. The formal DoD military specifications and standards are listed first, and then specific service documents, considered relevant to incorporation of nonnuclear S/V requirements into aircraft systems.

Table 4 contains the preparing activity/assignee codes with identification and location for each.

Table 4. Preparing Activities/Assignee Codes.

Code	Preparing activity	Code	Preparing activity
AS	Commander Naval Air Systems Command Attn: Code 52021 Department of the Navy Washington, D.C. 20360	МС	Commandant of the Marine Corps Attn: Code CSY-10/1 Headquarter, USMC Washington, D.C. 20380
AV	Commander U.S. Army Aviation Systems Command Attn: AMSAV-ES P.O. Box 209, Main Office St. Louis, Missouri 63166	M! MR	Commander U.S. Army Missile Command Attn: AMSMI-RCS Redstone Arsenal, Alabama 35809  Director
DP	Commander Defense Personnel Support Center Attn: DPSC-N 2800 South 20th Street Philadelphia, Pennsylvania 19101	MU	U.S. Army Materials and Mechanics Research Center Attn: AMXMR-MS Watertown, Mass. 02172  Commander
EA	Commander Edgewood Arsenal Attn: SAREA-TS-S Edgewood Arsenal,	OS	U.S. Army Munitions Command Attn: SMUFA-J4000 Philadelphia, PA 19737
EC	Maryland 21010  Commander Naval Electronic Systems Command Attn: Code ELEX 0517 Department of the Navy Washington, D.C. 20360		Commander Naval Ordnance Systems Command Attn: ORD-05223 Department of the Navy Washington, D.C. 20360
EL	Commander U.S. Army Electronics Command Attn: AMSEL-RD-ZS	PA	Commander Picatinny Arsenal Attn: SARPA-AD-C-3 Dover, New Jersey 07801
GL	Fort Monmouth, N.J. 07703  Commander U.S. Army Natick Laboratories Atin: AMXRES-EQS Natick, Mass. 01760	SH	Commander Naval Ship Engineering Center Attn: Code 6124, Center Bldg. Prince Georges Center Hyattsville, Maryland 20782

Table 4. Preparing Activities/Assignee Codes (Contd.)

Code	Preparing activity	Code	Preparing activity
ТМ	Director of Maintenance U.S. Army Materiel Command Attn: AMCMA-SM Washington, D.C. 20315	15	Director AF Weapons Laboratory AFSC, AFWL(SEW) Kirtland AFB, New Mexico 87117
WC	Commander Hq. U.S. Army Weapons Command Attn: AMSWE-RDD Rock Island Arsenal Rock Island, Illinois 61202	16	Commander Technical Engineering Data Branch AFLC(MMOMP) Wright-Patterson AFB, OH 45433
10	Deputy Chief of Staff/ Systems Directorate of Production Management	17	Commander Rome Air Development Center AFSC, RADC(RBRC) Griffiss AFB, N.Y. 17440
	Production Management Division AFSC/SDDP Andrews AFB Washington, D.C. 20331	70	Consmander Ogden Air Materies Area AFLC. OOAMA(MMSS) Hill AFB, Utah 84406
11	Conimander Aeronautical Systems Division Engineering Standards Division	71	Commander Oklahoma City Air Materiel Area AFLC/OCAMA(MMSS) Tinker AFB, Oklahoma 73145
	ASD/4950/TZS Wright-Patterson AFB, OH 45433	80	Commander Sacramento Air Materiel Area AFLC, SMAMA(MMSS)
12	Director AF Rocket Propulsion		McClellan AFB, California 95652
	Laboratory AFSC, AFRPL(DOZS) Edwards AFB, California 93523	82	Commander San Antonio Air Materiel Area AFLC, SAAMA(MMSS) Kelly AFB, Texas 78241
13	Commander Electronic Systems Division AFSC, ESD(TRD) L.G. Hanscom Field Bedford, Massachusetts 01730	84	Commander Warner Robins Air Materiel Area AFLC, WRAMA(MMSS) Robins AFB, Georgia 31093

### CONCLUSIONS AND RECOMMENDATIONS

The results show approximately 88 percent of the identified military specifications and standards have no nonnuclear S/V provisions. This does not imply provisions appear in each document, but an indication of their content. Documents found containing nonnuclear S/V provisions were deficient in one or more of the major sections. This can be illustrated by the requirement to design a component to withstand the impact of a tumbled incendiary .50-caliber projectile without separation or excessive tearing. No documents were found containing provisions for S/V considerations related to high energy laser weapon effects.

An example that contains adequate nonnuclear S/V provisions (excluding high energy lasers) is MIL-I-83294, Installation Requirements, Aircraft Propulsion Systems, General Specification for. Sufficient application for S/V is established in the sections contained therein, and listed as follows:

1. Scope - Vulnerability is established as a technical requirement.

- 2. Applicable documents MIL-STD-882, System Safety, is referenced for safety factors; AFSC DH2-3 design handbook on propulsion and power which refers to AFSC DH2-7 design handbook on system survivability.
- 3. Requirements Vulnerability of components and accessories and installation relative to the aircraft mission is specified.
- 4. Quality assurance Specified compliance with requirements through examination of mockups, drawings, or reports.
  - 5. Applicable notes Reference is made to design requirements and MIL-STD-882.

Another excellent example is MIL-STD-1288 for ballistic protection of aircrewmen. It was prepared specifically for a nonnuclear S/V application and is complete.

A few were found containing provisions considered to be beneficial for nonnuclear S/V. Most were provisions to limit or suppress damage, failures, malfunctions, or creation of other hazardous secondary effects.

From the survey and analysis of related military aircraft specifications and standards, recommendations have been developed and presented for consideration for implementation by JTCG/AS organization. In order of priority, they are:

- 1. Acceptable general nonnuclear S/V provisions should be developed that can be incorporated in each relevant section of selected military specifications and standards. When specified, provisions should refer to aircraft system procurement specifications for actual S/V requirements, including features as: aircraft observables, ballistic protection, and high energy laser weapons effects protection. The following is a condensed version of general S/V provisions, where required by the aircraft procurement specification:
- a. Scope This specification/standard contains provisions for nonnuclear S/V where considerations may be required by the aircraft system procurement specification.

- b. Applicable documents Where nonnuclear S/V provisions are specified by the aircraft system procurement specifications, these documents shall apply (as appropriate to the procured aircraft system): AFSC DH2-7, Aeronautical System Survivability Design Handbook; USAAMRDL TR71-41/B, Survivability Design Guide fo: U.S. Army Aircraft; and NAVAIR-0025-524, Navy Aircraft Survivability Guidelines.
- c. Requirements Specific nonnuclear S/V provisions shall apply as applicable to this specification/standard as authorized by the procuring agency.
- d. Quality assurance Where nonnuclear S/V requirements are established in the requirements section, their verification by test and/or analysis shall be accomplished as specified by the quality assurance section of the aircraft procurement specifications.
- e. Notes The intended use of this document includes the nonnuclear survival enchancement of the aircraft system end item.
- 2. An aircraft S/V program book form military standard should be developed, providing military and industry with a standard criteria and ground rules for conducting an S/V program for new aircraft. It can provide guidance and authority needed to endure proper consideration and design of S/V features incorporated into the system throughout conceptual and definition design phases. The document would be subordinate to MIL-STD-499 at the same level as (1) MIL-STD-882 for system safety programs, (2) MIL-STD-785A for reliability programs, and (3) MIL-STD-470 for maintainability programs.
- 3. Review and analysis of military aircraft specifications with specific nonnuclear S/V provisions found to be deficient should be conducted, to: (1) develop adequate revisions, and (2) correct the deficiencies. An example, some specifications call for a ballistic test of the component with a 50-caliber projectile. The type projectile (i.e., ball, armor-piercing, or armor-piercing-incendiary), striking velocities, angles of obliquity, or projectile yaw angles are not specified. Neither the requirements nor the quality assurance sections of the specification provide an adequate quantitative level for acceptance.
- 4. Consideration should be given to the development of overall general specifications for subsystems that do not have them, permiting incorporation of general nonnuclear S/V provisions, rather than subordinate documents.
- 5. The revision of MIL-STD-490, Military Standard Specification Practices, should be considered to incorporate suitable provisions for nonnuclear S/V. The provisions should be specified on the same level as: reliability, maintainability, availability, system effectiveness, environmental conditions, nuclear control requirements, and transportability paragraphs. This would be applicable for Type A1, System Specifications, Type B1, Prime Item Development Specifications, and Type B2, Critical Item Development Specifications, replacing the subparagraph for vulnerability factors contained in Paragraph 3.2.2., Physical Characteristics, which is considered inadequate for current military aircraft procurement.

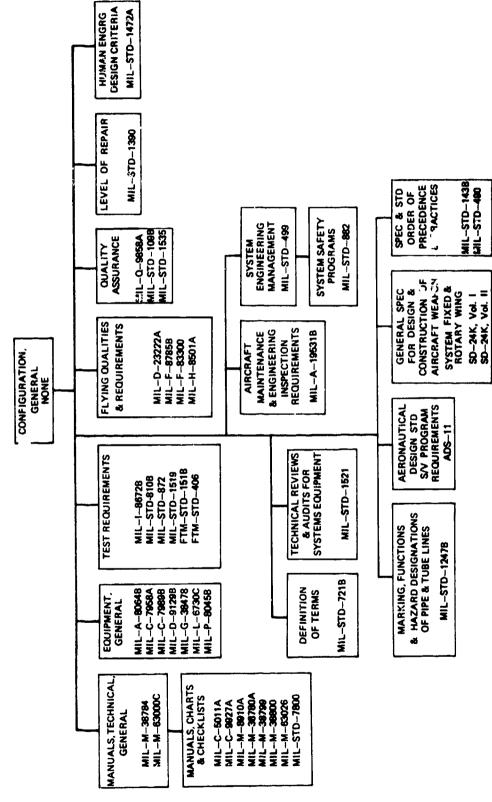


Figure 3. Specification and Standard Relationships for Configuration Submittem.

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### CONFIGURATION SUBSYSTEM (Figure 3)

				(r.igure 2)
Assignee	FSC	Preparer	Spec/Std	Title
Flight Essential Category (1)	ial Categor	y (1)		
11	1500	11	MIL-F-83300	Flying Qualities of Piloted V/STOL Aircraft
11	1500	1.1	MIL-F-8785B	Flying Qualities of Piloted Air planes
AV	1520	AV	MIL-H-8501A (1)	Helicoptor Flying and Ground Handling Qualities, General Requirements For
MR	8030	AS	MIL-P-8045B (3)	Plastic, Self-Sealing and Non-Self-Sealing Tank Backing Material
WR	MISC	10	MIL-STD-882	System Safety Program for Systems and Associated Succeeds and Equipment, Requirements for
:	:	:	SD-24K, VOL I	General Specification for Design and Construction of Weapons System, Fixed Wing
:	:	:	SD-24K, VOL II	General Specification for Design and Construction of Weapons System, Rotary Wing
Mission-Essential Category (2)	ntial Catego	ory (2)		
83	1680	=	MIL-A-8064B	Actuator and Actuating Systems, Aircraft, Electromechanical, General Requirements for
WR	MISC	NN.	MIL-STD-1390	Level of Repair
Lower-Tier Category (3)	ategory (3)			
=	1500	AS	MIL-A-19531B	Aircraft, Maintenance and Engineering Inspection Requirements
11	1500	11	MIL-C-501!A	Charts, Standard Aircraft Characteristics and Performance, Piloted Aircraft
7.1	2995	71	1 IIL-C-7958A	Control, Push Pull, Flexible and Rigid

# CONFIGURATION SUBSYSTEM (Contd.) (Figure 3)

# CONFIGURATION SUBSYSTEM (Contd.) (Figure 3)

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Title	Environmenta! Test Methods	Test Requirements and Procedures for Aircraft Emergency Ground and Ditch Escape Provisions	Aeronautical Design Standard Survivability, Vulnerability Program Requirements	Metals; Test Methods	Plastic; Methods of Testing	Manuals, Technical, Schematic Block Diagrams (SBD) Maintenance Dependency Charts (MDC)	Manual, Technical, Organizational Maintenance Instructions (for Aircraft)	Manuals, Technical, General Requirements for Manuscripts	Manual, Technical, for Army Aircraft	Manuals, Technical, Illustrated Parts Breakdown Preparation of	Quality Program Requirements	Quality Assurance Terms and Definitions	Marking, Functions and Hazard Designations of Hose, Pipe, and Tube Lines for Aircraft	Standards and Specifications, Order of Precedence for the Selection of	Human Engineering Design Criteria for Military Systems, Equipment, and Facilities
Spec/Std	MIL-STD-810B (4)	MIL-STD-872	ADS-11	FTM-STD-15iB	FTM-STD-406	MIL-M-38799(USAF)	MIL-M-38800 (1)	MIL-M-63000C (1)	MIL-M-63026 (2)	MIL-M-8910A(2)	MIL-Q-9858A	MIL-STD-109B	MIL-STD-1247B	MIL-STD-143B	MIL-STD-1472A
Preparer	11	11	AV	•	:	16	91	TM	TM	AS	01	SH	W	=	MI
FSC	MISC	1500	•	9500	9500	TMSS	TMSS	TMSS	TMSS	TMSS	MISC	MISC	MISC	MISC	MISC
Assignee	WR	=	•	:	IS	16	16	16	16	16	WR	WR	WR	WR	WR

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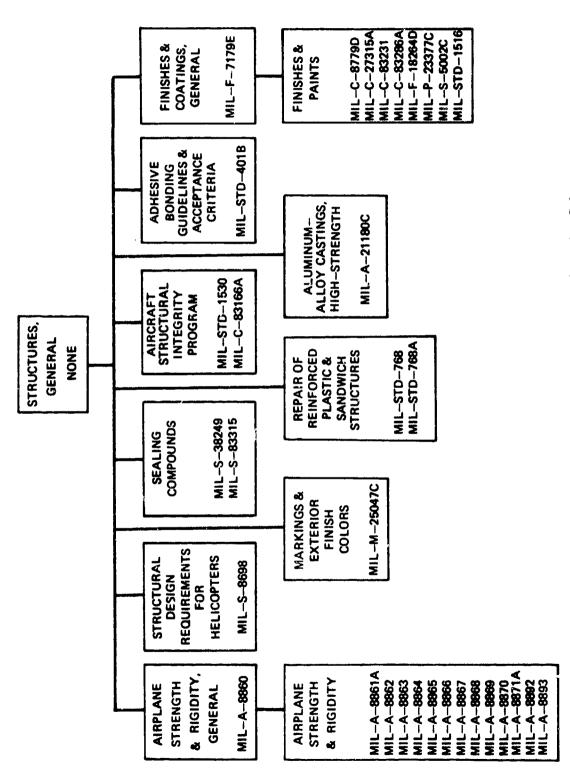


Figure 4. Specification and Standard Relationships for Configuration Subsystem.

### STRUCTURES SUBSYSTEM (Figure 4)

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Assignee	FSC	Preparer	Spec/Std	Title
Flight-Essential Category (1)	ial Category	(1)		
11	1510	AS	MIL-A-8860	Airplane Strength and Rigidity, General Specification for
AV	1520	AS	MIL-S-8698(ASG) (1)	Structural Design Requirements, Helicopters
Mission-Essential Category (2)	ntial Catego	ry (2) None		
Lower-Tier Category (3)	ategory (3)			
MR	MECA	AS	MIL-A-21180C(1)	Aluminum-Alloy Castings, High Strength
11	1510	AS	MIL-A-8861(ASG)	Airplane Strength and Rigidity Flight Loads
Ξ	1510	AS	MIL-A-8862(ASG)	Airplane Strength and Rigidity Landplane Landing and Ground Handling Loads
Ξ	1510	AS	MIL-A-8863(ASG)	Airplane Strength and Rigidity Additional Loads for Carrier Based Airplanes
Ξ	1510	AS	MIL-A-8864(ASG)	Airplane Strengti` and Rigidity Water and Handling Loads for Seaplanes
grand gard	1510	AS	MIL-A-8865(ASG)	Airplane Strength and Rigidity Miscellaneous Loads
-	1510	AS	MIL-A-8866(ASG)	Airplane Strength and Rigidity Reliability Requirements, Repeated Loads, and Fatigue
,	1510	AS	MIL-A-8867(ASG)	Airplane Strength and Rigidity Ground Tests

STRUCTURES SUBSYSTEM (Contd.) (Figure 4)

Titie	Airplane Strength and Rigidity Data and Reports	Airplane Strength and Rigidity Special Weapons Effects	Airplane Strength and Rigidity Vibration, Flutter. 25.0. Divergence	Airplane Tests. Strength and Rigidity, riight and Ground Operations	Airplane Strength and Rigidity, Vibration	Airplane Strength and Rigidity, Sonic Fatigue	Coating System, Elastomeric, Thermally Reflective and Rain Erosion Resistant	Converter-Multiplexer, Signal Data, General Specification for	Coating, Polyurethane, Rain Erosion Resistant for Exterior Aircraft and Missile Parts	Coating Urethane, Aliphatic Isocyanate, for Aerospace Applications	Color, Interior, Aircraft, Requirements for	Finishes, Organic, Weapons System, Application and Control of
Spec/Std	MIL-A-8868(ASG)	MIL-A-8869(ASG)	MIL-A-8870(ASG)	MIL-A-8871A	MIL-A-8892(USAF)	MIL-A-8893(USAF)	MIL-C-27315A	MIL-C-83166A	MIL-C-83231	MIL-C-83286A	MIL-C-8779D	MIL-F-18264D (1)
Preparer	AS	AS	AS	=======================================	11	11		11	Ξ	Ξ	AS	AS
FSC	1510	1510	1510	1510	1510	1510	8030	6610	8010	8010	1500	8010
Assignec	=	11	=	Ξ	11	11	MR	7.1	MR	MR	11	MR

STRUCTURES SUBSYSTEM (Contd.)
(Figure 4)

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Assignee	FSC	Preparer	Spec/Std	Title
MR	MFFP	AS	MIL-F-7179E	Finishes and Coatings, Protection of Aerospace Structures and Parts, General Specification for
11	1500	. 11	MIL-M-25047C (1)	Markings and Exterior Finish Colors for Airplanes, Airplane Parts and Missile:
MR	8010	AS	MI <sup>1</sup> P-23377C(1)	Primer Coating, Epoxy-Polyamide, Chemical and Solvent Resistant
MR	8030	=	MIL-S-38249 (2)	Sealing Compound, Firewall
MR	MFFP	AS	MIL-S-5002C	Surface Treatments and Inorganic Coatings for Metal Surfaces of Weapons Systems
MR	8030	Ξ	MIL-S-83315 (1)	Sealing Compound, Aluminum Structure, Pressure and Weather Sealing, Low Density
MR	8010	84	MIL-STD-1516	Coating for Aircraft and Missiles
=======================================	1500	11	MIL-STD-1530	Aircraft Structural Integrity Program, Airplane Requirements
ME	5680	AS	MIL-STD-401B	Sandwich Constructions and Core Materials, General Test Methods
WR	MISC	AS	MIL-STD-768	Instructions for Repair of Aircraft and Weapons Sandwich Structures, Part II, Metal Construction
WR	MISC	AS	MIL-STD-768A	Instructions for Repair of Aircraft and Weapons Reinforced Plastic and Sandwich Structures

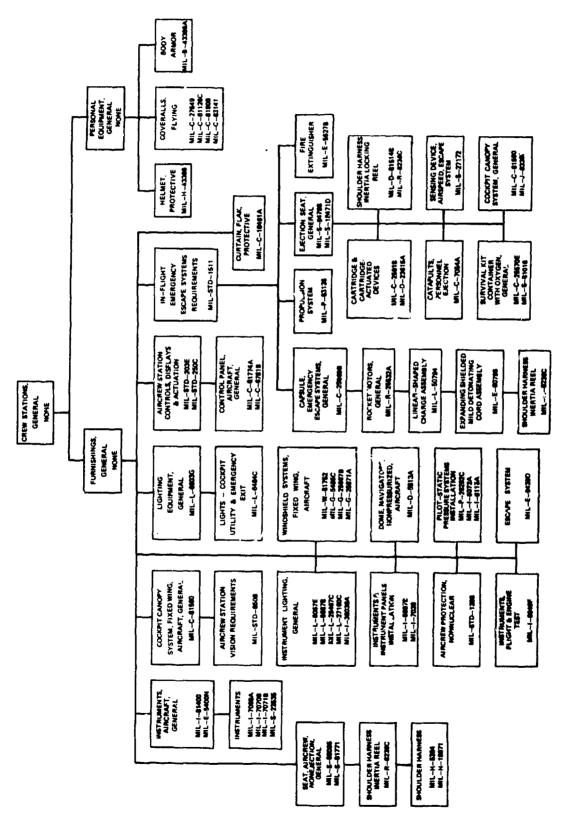


Figure 5. Specification and Standard Relationships for Crew Stations Subsystem.

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OBSISIEM )	Titie	
(Figure 5)	Spec/Std	
	Preparer	v(1)
	FSC	Category (1

Assignee

Flight-Esser	Flight-Essentia! Category (1)	  €		
82	1680	AS	MIL-C-18491A	Curtain, Flak Protective
Ξ	15GP	AV	MIL-STD-1288 (1)	Aircrew Protection Requirements Nonnuclear Weapons Threat
=	1510	AS	MIL-STD-203E	Aircrew Station Controls and Displays for Fixed Wing Aircraft
AV	1520	11	MIL-STD-250C	Aircrew Station Controls and Displays for Rotary Wing Aircraft
Mission-Ess	Mission-Essential Category (2)	ry (2)		
80	1560	AS	MIL-C-81590 (2)	Cockpit Canopy System, Fixed Wing Single and Multiplace, Fighter, Attack and Trainer
82	1680	AS	MIL-C-81774A	Control Panel, Aircraft, General Requirements for
WR	MISC	AS	MIL-E-5400N	Electronic Equipment, Airborne, General Specification for
71	6610	AS	MIL-I-6115A (3)	Instrument Systems, Pitot Tube and Flush Static Port Operated, Installation of
11	0199	AS	MIL-I-81400	Instrument, Aircraft, General Specification for
70	1337	12	MIL-R-25532A (2)	Rocket Motors, Aeronautical, General Specification for
11	1500	11	MIL-STD-850B	Aircrew Station Vision Requirements for Military Aircraft
Lower-Tier	Lower-Tier Category (3)			
DP	8470	75	MIL-B-43366A	Body Armor, Fragmentation Protective, Groin
71	1660	11	MIL-C-25570E (1)	Container, Survival and Oxygen Equipment, Cushion, Seat, General Specification for
PA	1375	11	MIL-C-25918 (2)	Cartridge Actuated Devices, Aircraft Crew Emergency Escape, General Specification for

## CREW STATIONS SUBSYSTEM (Contd.) (Figure 5)

Title	Capsule Emergency Escape Systems, General Specification for	Coveralls, High Altitude CSK-6/P22S-2	Control Panel, Aircraft Equipment, Rack or Console Mounted	Catapult. Personnel Ejection, NAMC Type II and NAMC Type UII (sic)	Coveralls, Flying, Summer, Fire Resistant Polymide, Type CS/FRP-1	Coveralls, Flyers, Summer, High Temperature Resistant, CWU-42/P	Coveralls, Flying, Mens, Summer, Fire-Resistant	Dome, Navigator Observing, Non-Pressurized Aircraft, Type A-3A	Design and Evaluation of Cartridge Actuated Devices	Device, Restraint Harness Take-up, Inertia-Locking, Powered-Retracting, General Specification for	Expanding Shielded Mild Detonating Cord Assumbly	Extinguishers, Fire, Carbon Dioxide, Portable	Escape System, Requirer ents Conformance Demonstrations and Performance Tests	Glass, Laminated, Flat, Builet-Resistance	Glass, Monolithic, Aircraft Glazing	Giass, Laminated, Aircraft Glazing
Spec/Std	MIL-C-25969B	MIL-C-27649 (3)	MIL-C-6781B	MIL-C-7054A (1)	MIL-C-81126C	MIL-C-81908 (1)	MIL-C-83141 (5)	MIL-D-5813A (1)	MIL-D-23615A (4)	MIL-D-81514B (5)	MIL-E-50796	MIL-E-5627B (2)	MIL-E-9426D (2)	MIL-G-5485C	MIL-G-25667B(1)	MIL-G-25871A (1)
Preparer	=	82	AS	AS	AS	AS	11	82	AS	AS	MU	AS	AS	AS	11	11
FSC	1680	8475	1680	1720	8415	8475	8415	1680	1377	1680	1377	4210	1680	9340	9340	9340
Assignee	82	DP	<del>6</del>	AS	DP	DP	DP	82	70	81	MU	ME	82	GS	CS	GS

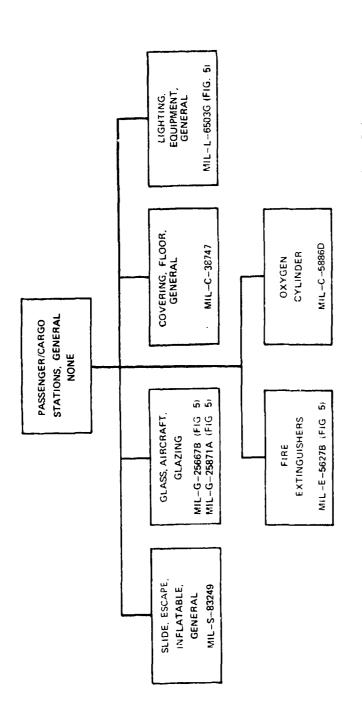
# CREW STATIONS SUBSYSTEM (Contd.) (Figure 5)

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Title	Harness, Pilot Shoulder Safety, Standard Y Type	Helmet, Flying, Protective (Ballistic and Crash)	Harness, Shoulder Safety, General Specification for	Instrument Lighting, Electroluminescent, General Specification for	Instrument Systems, Pitot-Static Tube Operated, Installation of	Instruments, Flight and Engine, Aircraft, Functional Tests and Tolerances of	Instrument and Instrument Panels, Aircraft, Installation of	Instrument and Instrument Boards, Aircraft, Installation of	Indicator, Tachometer, Electric, Percent Speed Type, Aircraft, General Specification for	Indicator, Temperature, Electrical-Resistance, Hermetically Sealed, General Specification for	Indicator, Temperature, Thermocouple Hermetically Sealed, General Specification for	Jettison System, Emergency, Aircraft Canopy, General Specification for	Lighting, Integral, Aircraft Instrument, General Specification for	Lighting, Instrument, Integral, White, General Specification for	Light, Instrument, Individual, General Specification for	Linear Shaped Charge Assembly
Spec/Std	MIL-H-18971 (2)	MIL-H-43388(GL)	MIL-H-5364D	MIL-I-38038A	MIL-I-5072A	MIL-I-5949F(USAF)	MIL-I-5997B	MIL-I-7028 (1)	MIL-I-7069A	MIL-I-7070B (1)	MIL-I-7071B	MIL-J-83389	MIL-L-25467C(1)	MIL-L-27160C	MIL-L-5057E (1)	MIL-L-50794
Preparer	AS	CL	11		AS	11	11	AS	Ξ	=	83	11	AS	=	AS	MU
FSC	1680	8415	1680	66GP	0199	6610	0199	6610	6620	9899	6685	1680	6220	9620	6220	1377
Assignee	82	DP	82	71	11	71	71	71	71	82	82	83	CS.	71	CS	MU

### JTCG/AS-74-D-003

## CREW STATIONS SUBSYSTEM (Contd.) (Figure 5)



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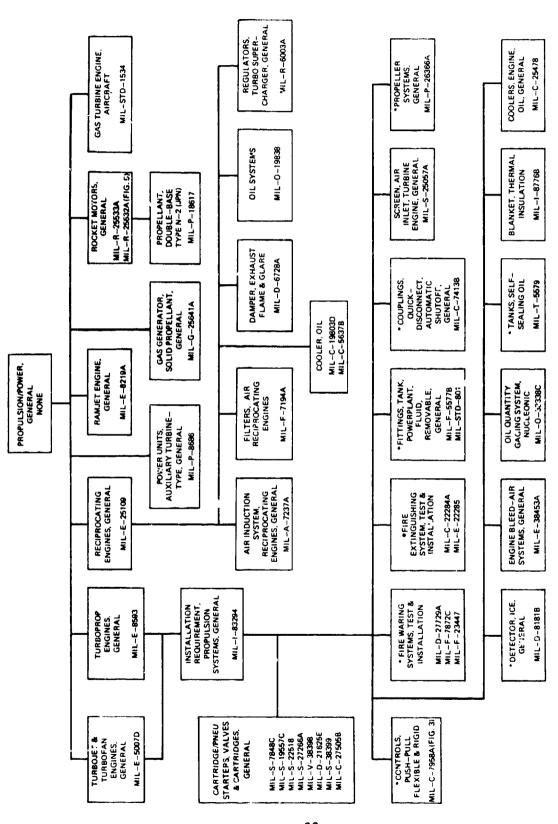
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Specification and Standard Relationships for Passenger/Cargo Stations Subsystem. Figure 6.

PASSENGER CARGO STATIONS SUBSYSTEM (Figure 6)

Title				Covering, Floor, Military Aircraft, General Specification for	Cylinder, Oxygen, Low Pressure, Nonshatterable	Slide, Escape, Aireraft, Inflatable, General Specification for
Spec Std				ML-C-38747	311L-C-5886D	MIL-S-83249
Preparer	(1) None	ry (2) None		87	7.1	Ξ
Assignee FSC Preparer	ial Category	fission-Essential Category (2	ategory (3)	1680	1660	4240
Assignee.	Flight-Essential Category (1)	Vission-Esse	Lower-Tier Category (3)	82	7.1	EA



Specification and Standard Relationships for Propulsion/Power Subsystem. Figure 7.

\* ALSO EFFECTIVE ON RECIPHOCATING ENGINES

## PROPULSION/POWER SUBSYSTEM (Figure 7)

				( ) Ing. 1)
Assignee	FSC	Preparer	Spec/Std	Title
Fligh Essential Category (1)	ial Categor	y (1)		
<b>∞</b>	1680	AS	MIL-C-22284A	Container, Aircraft Fire Extinguishing System, Bromotrifluoromethane, CF 3BR
∵1 ∞	1680	AS	MIL-E-22285 (1)	Extinguishing System, Fire, Aircraft, High-Rate Discharge Type, Installation and Test of
82	2810	AS	MIL-E-25109	Engine, Aircraft, Reciprocating, General Specification for
71	2840	11	MIL-E-5007D	Engine, Aircraft, Turbojet and Turbofan, General Specification for
71	2840	70	MIL-E-8219A	Engine, Ramjet, General Specification for
7.1	2840	AS	MIL-E-8593(ASG)	Engine, Aircraft, Turboprop, General Specification for
71	2840	11	MIL-I-83294	Installation Requirement, Aircraft Propulsion Systems, General Specification for
84	1610	11	MIL-P-26366A	Propeller Systems, Aircraft, General Specification for
80	1560	AS	MIL-T-5579 (1)	Tank, Self-Sealing Oil, Aircraft
Mission-Essential Category (2)	ntial Catego	ory (2)		
7.i	2945	ΑV	MIL-A-7237A	Air Induction System, Reciprocating Engine, General Specification for
WR	MISC	11	MIL-E-38453A	Environmental Control, Protection, and Engine Bleed Air System, Aircraft, Missiles, General Specification for
ME	2335	AS	MIL-P-8686(ASG)	Power Units, Aircraft Auxiliary, Gas-Turbine Type, General Specification for

### JTCG/AS-74-D-003

PROPULSI JN/POWER SUBSYSTEM (Contd.)
(Figure 7)

			911)	(1 15mm / 1
Assignee	FSC	Preparer	Spec/Std	Title
Lower-Tier Category (3)	ategory (3)			
71	1660	AS	MIL-C-19803D	Converter, Liquid Oxygen, 10 Liter, GCU-24/A
7.1	2935	=	MIL-C-25478 (1)	Cooler, Lubricating Oil, Aircraft Engine Synthetic Oil, General Specification for
MU	1377	70	MIL-C-27505B(USAF)	Cartridge, Engine Starter MXU-4A/A
17	2935	AS	MIL-C-5637B	Cooler, Lubricating Oil, Petroleum Base, Aircraft Engine, Tubular
CS	4730	11	MIL-C-7413B	Couplings, Quick Disconnect, Automatic Shutoff, General Specification for
MU	1377	AS	MIL-D-21625E (1)	Design and Evaluation of Cartridges for Cartridge Actuated Devices
28	6340	==	MIL-D-27729A	Detecting System, Flame-Smoke, Aircraft and Aerospace Vehicles, General Performance of
80	1560	AS	MIL-D-6728A	Damper, Engine Exhaust Flame and Glare
°23	6340	11	MIL-D-8181B	Detector, Ice, Air Intake Duct, Aircraft Engines and Airframe Systems, General Specification for
82	6340	AS	MIL-F-23447	Fire Warning Systems, Aircraft Radiation Sensing Type, Test and Installation of
80	1560	11	MIL-F-5577B	Fittings, Tank, Powerplant Fluid, Removable General Specification
7.1	2945	МО	MIL-F-7194A	Filter Reciprocating Engine Induction Air, Aircraft
82	6340	AS	MIL-F-7872C	Fire and Overheat Warning Systems, Continuous, Aircraft Test and Installation of
PA	1375	11	MIL-G-25641A	Generator, Gas, Solid Propellant, Aeronautical, General Specification for

## PROPULSION/POWER SUBSYSTEM (Contd.) (Figure 7)

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(r.igure)	Title	Insulation Blanket, Thermal, Aerospace	Oil Systems, Aircraft, Installation and Test of	Oil Quantity Gaging System, Continuous Transistorized Nucleonic, General Specification for	Propellant, Double-Base, Type N-2 (JPN)	Rocket Motor, Aeronautical, Model Specification for (Outline and Instructions for Preparation)	Regulator, Turbosupercharger, General Specification for	Starter, Aircraft Engine, Air Turbine	Starter and Accessory Drive, Combination, Aircraft Engine, Air Turbine, Specification for	Screen System, Air Inlet, Aircraft Turbine Engine, General Specification for	Starter, Engine, Cartridge and Pneumatic, Shaft Drive, General Specification for	Starter, Pneumatic, Aircraft Engine, General Specification for	Starter, Engine, Air Turbine Type, General Specification for	Valve, Starter Control, Aircraft Engine, General Specification for	Engine, Aircraft, Gas Turbine, Technical Design Requirements	Acceptance Standards for Powerplant Fluid Tank Fittings
SI. II	Spec/Std	MIL-I-8776B(USAF)	MIL-O-19838 (1)	MIL-0-38338C	MIL-P-18617	MIL-R-25533A	MIL-R-6003A	MIL-S-19557C	MIL-S-22518 (1)	MIL-S-25057A	MIL-S-27266A	MIL-S-38399	MIL-S-7848C	MIL-V-38398	MIL-STD-1534	MIL-STD-801
	Preparer	11	AS	=	AS	12	7.1	AS	AS	11	=	Ξ	AS		11	11
	FSC	3662	9150	0899	1376	1336	2950	2995	2995	2840	2995	2995	2995	2995	2840	4730
	Assignee	7.1	GS	AS	PA	70	71	7.1	71	71	7.1	71	71	71	71	AS

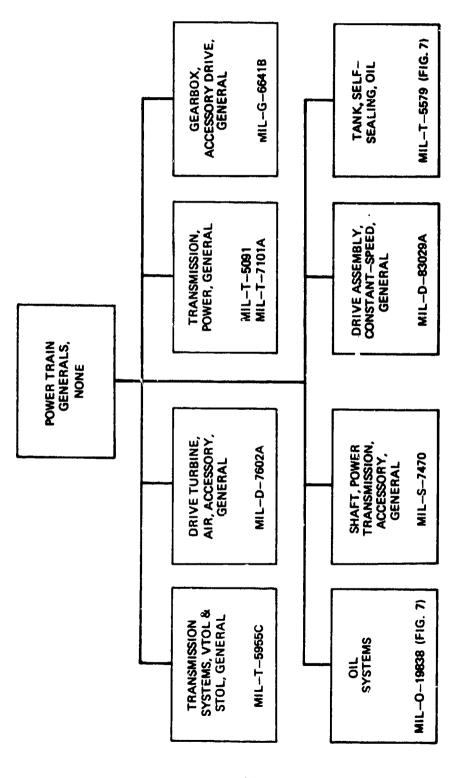


Figure 8. Specification and Standard Relationships for Power Trains Subsystem.

### FOWER TRAINS SUBSYSTEM (Figure 8)

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Assignee	FSC	Preparer	Spec/Std	Title
Flight-Esser	Flight-Essential Category (1)	ry (1)		
80	1560	11	MIL-G-6641B(ASG)	Gearbox, Aircraft Accessory Drive, General Specification for
8	1680	11	MIL-S-7470	Shaft, Power Transmission, Aircraft Accessory, General Specification for
WE	3040	AS	MIL-T-5091	Transmission, Power, Constant Ratio, General Specification (Aircraft Use)
AV	1615	10	MIL-T-5955C	Transmission System, VTOL-STOL, General Requirements for
WE	3040	AS	MIL-T-7101A	Transmission, Power, Constant Speed, General Specification (Aircraft Use)
Mission-Ess	Mission-Essential Category (2)	ory (2)		
AS	1650	11	MIL-D-83029A	Drive Assembly, Constant Speed, General Specification for
Lower-Tier	Lower-Tier Category (3)	(1		
71	1660	11	MIL-D-7602A	Drive, Turbine, Air, Aircraft Accessory, General Specification for

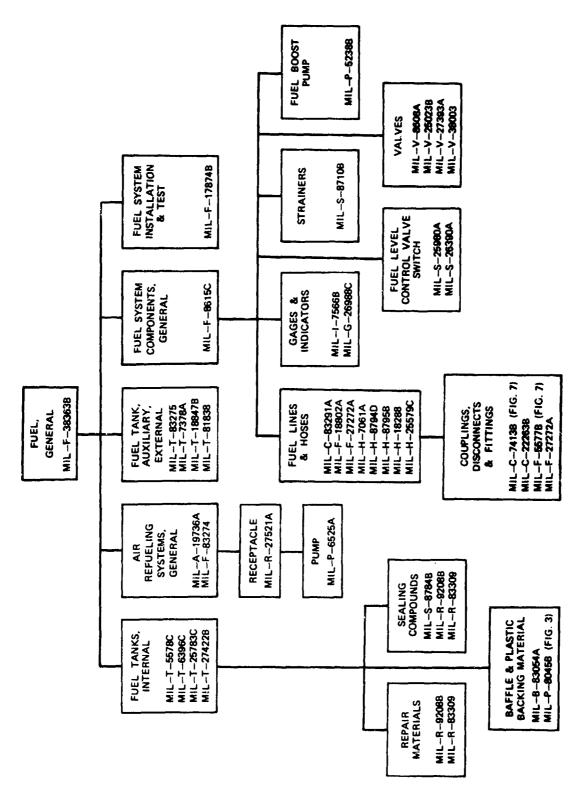


Figure 9. Specification and Standard Relationships for Fuel Subsystem.

### FUEL SUBSYSTEM (Figure 9)

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(, ibait )	Title		Bafile Material, Aircraft Fuel Tank	MIL-C-83291A(USAF) Covers, Self-Sealing, Fuel Line, Aircraft	Fuel Systems, Aircraft, Installation and Test of	Fuel and Oil Lines, Aircraft, Installation of	Fuel System Components, General Specification for	Hose and Assemblies, Aircraft, Self Sealing, Aromatic Fuel	Hose, Rubber, Aircraft, Self-Sealing, Aromatic Fuel	Tank, Fuel, Aircraft and Missile Non-Self-Sealing, High Temperature	Tank, Fuel, Crash Resistant, Aircraft	Tank, Fuel, Aircraft, Self-Sealing		Air Refueling Systems, General specification for	Hose Assembly, Tetrafluoroethylene, High Temperature Medium Pressure, General Requirements for	Hose, Rubber, Hydraulic, Fuel and Oil Resistant
<b>4.</b> 1)	Spec/Std		MIL-B-83054A	MIL-C-83291A(USAF)	MIL-F-17874B	MIL-F-18802A (1)	MIL-F-8615C(ASG)	MIL-H-18288	MIL-H-7061A	MIL-T-25783C	MIL-T-27422B (1)	MIL-T-5578C (2)		MIL-A-19736A (2)	MIL-H-25579C	MIL-H-8794D
	Preparer	y (1)	11	11	AS	AS	11	AS	82	11	11	=	ry (2)	AS	11	82
	FSC	tial Categor	9330	4720	3460	2915	2915	4720	4720	1560	1560	1560	ntial Catego	1680	4720	4720
	Assignee	Flight-Essential Category (1)	GS	CS	IP	82	82	CS	CS	80	80	80	Mission-Essential Category (2)	82	S	CS
								3	19							

FUEL SUBSYSTEM (Contd.) (Figure 9)

Spec/Std Title	H-8795B (1) Hose Assemblies, Rubber, Hydraulic, Fuel and Oil	MIL-R-27521A(USAF) Receptacle, Flying Boom, Aerial Refueling	T-18847B(1) Tank, Fuel, Aircraft, Auxiliary External, Design and Installation of	F-7378A (4) Tank, Fuel, Aircraft, External, Auxiliary, Removable	Tank, Fuel, Aircraft, Auxiliary External 300 Gallon, Type Aero-1D	T-6396C Tank, Fuel, Oil, Water-Alcohol, Coolant Fluid, Aircraft. Non-Self-Sealing, Removable		C-22263B Couplings Fuel Line, Flexible, 125 psi General Specification for	F-27272A(1) Fitting, Tetrafluoroethylene Hose, High Temperature, Medium Pressure, General Requirements for	F-38363B Fuel System, Aircraft, General Specification for	F-83274 Fuel Delivery System, Bulk, Airborne, General Requirements for	Gage Liquid Quantity. Canacitor Type Transistorized.
	MIL-H-8795B (1)	MIL-R-27521A(	MIL-T-18847B (1)	MIL-T-7378A (4)	MIL-T-81838	MIL-T-6396C		MIL-C-22263B	MIL-F-27272A (1)	MIL-F-38363B	MIL-F-83274	MII -C-26988C (1)
C Preparer	20 82	30 11	50 AS	11 01	50 AS	00 11	гу (3)	10 AS	11	5 111	10 84	11
Assignee FSC	CS 4720	81 1680	80 1560	80 1640	80 1550	80 1560	Lower-Tier Category (3)	CS 4730	CS 4730	82 2915	ME 4930	0899

### FUEL SUBSYSTEM (Contd.) (Figure 9)

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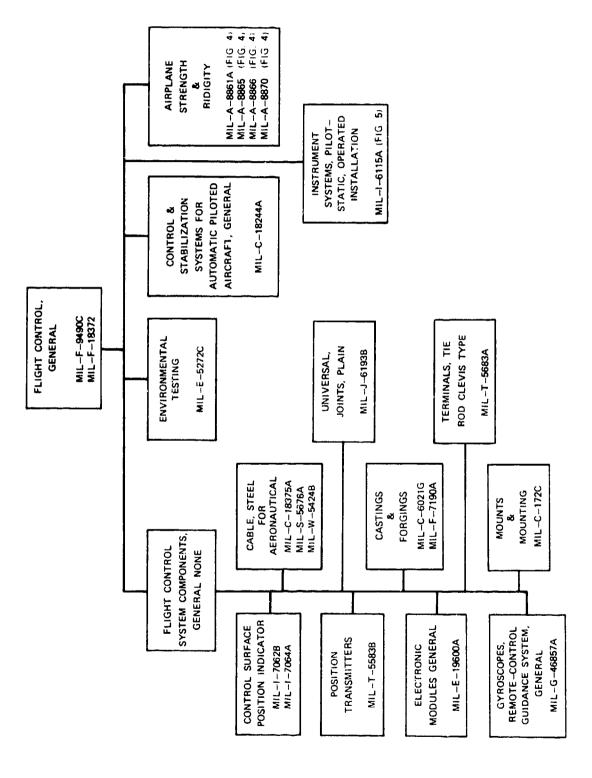
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Assignee.	FSC	Preparer	Spec/Std	Title
AS	0899		MIL-1-7566B(1)	Indicator System, Fuel Flowmeter, General Specification for
83	2915	pand pand	MIL-P-5238B	Pump, Centrifigual, Fuel Booster, Aircraft, General Specification for
£8	2915	11	MIL-P-6525A	Pump, Fuel Transfer, Air-to-Air Refueling, General Specification for
GS	9320	=	MIL-R-83309	Repair Material, Nitrile, Fuel, Bladder, Aircraft
GS	9320	AS	MIL-R-9208B	Repair Material, for Self-Sealing Fuel Tanks
28	2915	28	MIL-S-25980A	Switch, Float, Aircraft Fuel Level, General Specification for
ES	5930	11	MIL-S-26390A(USAF)	Switch Assemblies, Pressure Fuel
_	2915		MIL-S-8710B	Strainer, Aircraft Fuel System, General Specification for
MR	8030	84	MIL-S-8784B	Sealing Compound, Low Adhesion, for Removable Panels and Fuel Tank Inspection Plates
ME	4930	=	MIL-T-83275	Tank. Bulk Fuel, Air Delivery
83	2915	11	MIL-V-25023B (2)	Valve, Fuel Drain, Self-Locking
80	1560	=	MIL-V-27393A	Valve, Safety, Fuel Cell Fitting. Crash Resistant, General Specification for
SH	4820	=	MIL-V-38003	Valves, Fuel Level Control, Fuel Tank, Aircraft General Specification for
28	2915	-	MIL-V-8608A (2)	Valves, Fuel Shutoff, Electric Motor Operated



Specification and Standard Relationships for Flight Controls Subsystem. Figure 10.

## FLIGHT CONTROLS SUBSYSTEM (Figure 10)

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Assignee	FSC	Preparer	Spec/Std	Title
Flight-Essential Category (1)	tial Category	/(I)		
11	1500	AS	MIL-F-18372(AER)	Flight Control Systems, Design, Installation and Test of Aircraft General Specification
71	6610	11	MIL-F-9490C (1)	Flight Control Systems-Design, Installation and Test of, Piloted Aircraft, General Specification for
Mission-Essential Category (2)	ntial Catego	ry (2)		
WR	MISC	AS	MIL-C-18244A	Control and Stabilization Systems, Automatic Filoted Aircraft, General Specification for
Lower-Tier Category (3)	ategory (3)			
GS	5975	11	MIL-C-172C (2)	Cases, Bases, Mounting, and Mounts Vibration (for Use With Electronic Equipment in Aircraft)
IS	6145	AS	MIL-C-18375A(ASG)	Cable, Steel (Corrosion-Resisting)
MR	MECA	AS	MIL-C-6021G	Castings, Classification and Inspection of
EL	6625	11	MIL-E-5272C	Environmental Testing, Aeronautical and Associated Equipment, General Specification for
EC	58GP	AS	MIL-E-19600A	Electronic Modules, Aircraft, General Requirements for

FLIGHT CONTROLS SUBSYSTEM (Contd.) (Figure 10)

Title	Forgings, Steel, for Aircraft and Special Ordnance Applications	Gyroscope, Remote Control (Command) Guidance Systems. General Specification for	Indicator, Position, Control Surfaces, 28 Volt Direct Current. General Specification for	Indicator, Position, Elevator Trim Tab	Joints, Universal, Plain, Light and Heavy Duty	Splicing, Cable Terminal, Process for Aircraft	Transmitter, Position, 28-Volt Direct Current	Terminals, Tie Rod, Threaded Clevis Type, Aircraft	Wire Rope, Steel (Corrosion-Resisting) Flexible, Preformed (for Aeronautical Use)
Spec/Std	MIL-F-7190A (1)	MIL-G-46857A	MIL-I-7062B	MIL-I-7064A	MIL-J-6193B	MIL-S-5676A (1)	MIL-T-5583B	MIL-T-5683A	MIL-W-5424B (1)
Preparer		MI	Ξ	71	82	84	7.1	AS	82
FSC	3424	1420	6610	9199	3010	5130	0199	5985	4010
Assignee	II.	70	7.1	7.1	ME	79	7.1	ES	IS

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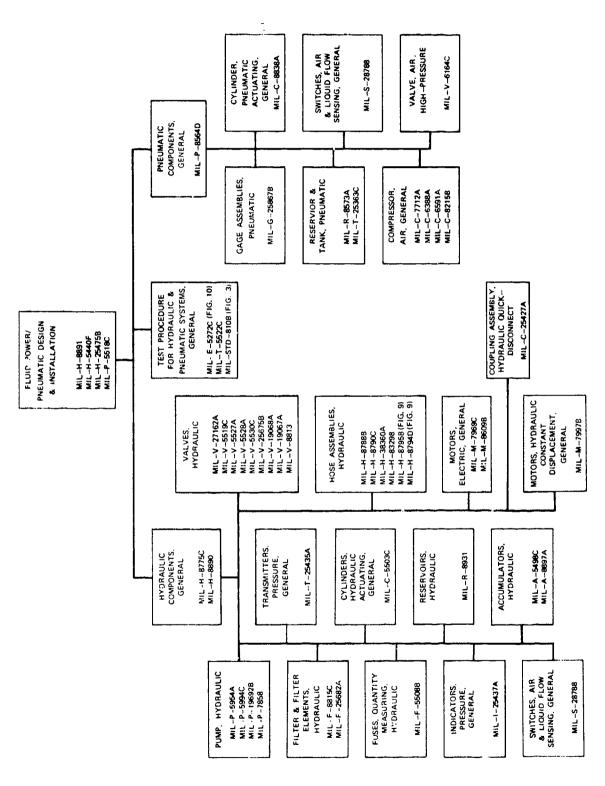


Figure 11. Specification and Standard Relationships for Fluid Power/Pneumatic Subsystem.

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FLUID FOWER PNEUMATIC SUBSYSTEM (Figure 11)

Assignee	FSC	Preparer	Spec/Std	Title
Flight-Essential Category (1)	tial Categ	ory (1)		
AS	1650	AS	MIL-A-5498C(ASG)	Accumulators. Aircraft Hydropneumatic Pressure
AS	1650	AS	MIL-A-8897A	Accumulators, Hydraulic, Cylindrical, 3000 psi, Aircraft Type II Systems
AS	1650	=	MIL-C-5503C (4)	Cylinder, Aeronautical. Hydraulic Actuating, General Requirements for
AS	1650	71	MIL-C-8838A	Cylinder, Pneumatic Actuating, Aircraft Utility System, General Specification for
AS	1650	11	MIL-H-5440F	Hydraulic Systems, Aircraft Types I and II, Design, Installation, and Data Requirements for
AS	1650	AS	MIL-H-8775C	Hydraulic System Components. Aircraft and Missiles, General Specification for
AS	1650	AS	MIL-H-8890	Hydraulic Components, Type III, (-65° to +450°F), General Specification for
AS	1650	AS	MIL-H-8891	Hydraulic Systems, Manned Flight Vehicles, Type III Design. Installation, and Data Requirements for
AS	1650	AS	MIL-P-5518C	Pneumatic Systems, Aircraft, Design, Installation, and Data Requirements for
AS	1650	AS	MIL-P-8564D(ASG)	Pneumatic System Components, Aeronautical, General Specification for
AS	1650	AS	MIL-R-8573A(ASG) (4)	Reservoir, Air, Nonshatterable Steel

## FLUID POWER PNEUMATIC SUBSYSTEM (Contd.) (Figure 11)

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Assignee	FSC	Preparer	Spec/Std	Title
AS	1650	11	MIL-R-8931 (1)	Reservoirs, Aircraft and Missile, Hydraulic, Separated Type
AS	1650	71	MIL-T-25363C	Tank Pneumatic Pressure, Aircraft, Glass Fiber
Mission-Essential Category (2)	ntial Catego	ory (2)		
AS	0591	=======================================	MIL-C-6388A	Compressor Unit, Air, Aircraft, Shaft Power Driven, General Specification for
AS	1650	=	MIL-C-6591A	Compressor Unit, Aircraft, Electric Motor Driven, General Specification for
AS	1650	Ξ	MIL-C-8215B	Compressor Unit, Aircraft, Hydraulic Motor Driven, General Specification for
CS	4720	11	MIL-H-38360A (2)	Hose Assembly, Tetrafluoroethylene, High Temperature, High Pressure, Hydraulic and Pneumatic
CS	4720	11	MIL-H-83298	Hose, Tetrafluoroethylene, High Temperature, High Pressure (3000 psi), Hydraulic and Pneumatic
S	4720	82	MIL-H-8788B	Hose, Hydraulic and Pneumatic, High Pressure
CS	4720	82	MIL-H-8790C (1)	Hose Assembly, Rubber, Hydraulic, High Pressure (3000 psi)
AS	1650	AS	MIL-P-19692B	Pump, Hydraulic, Variable Delivery, General Specification for
AS	1650	AS	MIL-P-5954A (1)	Pump Unit, Hydraulic, Electric Motor Driven Fixed Displacement
AS	1650	<b>-</b>	MIL-P-5994C	Pump, Hydraulic, Electric Motor Driven, Variable Delivery, General Specification for
ME	4320	84	MIL-P-7858 (2)	Pump, Hydraulic, Power Driven, Fixed Displacement

FLUID POWER PNEUMATIC SUBSYSTEM (Contd.) (Figure 11)

			p	
Assignee	FSC	Preparer	Spec/Std	Title
Lower-Tier Category (3)	ategory (3	(:		
S	4730	AS	MIIC-25427A (1)	Coupling Assembly, Hydraulic, Self-Sealing, Quick Disconnect
ME	2835	AS	MIL-C-7712A	Compressor, Air, Gas Turbine Type, General Specification for
AS	1650		MIL-F-25682A (1)	Filter and Filter Element, Fluid Pressure, Hydraulic, Absolute, 25 Micron
AS	1650	71	MIL-F-5508B (1)	Fuses, Aircraft Automatic Quantity-Measuring, Hydraulic
AS	1650	AS	MIL-F-8815C	Filter and Filter Elements, Fluid Pressure, Hydraulic Line, 15 Micron Absolute and 5 Micron Absolute, Type II Systems General Specification for
82	9899	11	MIL-G-25867B (1)	Gage, Pressure, Dial Indicating, Pneumatic
71	1410	11	MIL-H-25475B	Hydraulic System, Missile, Design, Installation Tests and Date Requirements, General Requirements for
82	9899	-	MIL-I-25437A (1)	Indicator, Aircraft, Pressure, Volume, Voltage Ratio Type, General Specification for
SH	6105	AS	MIL-M-7969C	Motor, Alternating Current, 400-Cycle, 115/200-Volt System, Aircraft, General Specification for
AS	1650	AS	MIL-M-7997B	Motors, Aircraft Hydraulic, Constant Displacement, General Specification for
SH	9019	AS	MIL-M-8609B	Motor, Direct Current, 28-Volt System, Aircraft, General Specification for

## FLUID POWER PNEUMATIC SUBSYSTEL! (Contd.) (Figure 11)

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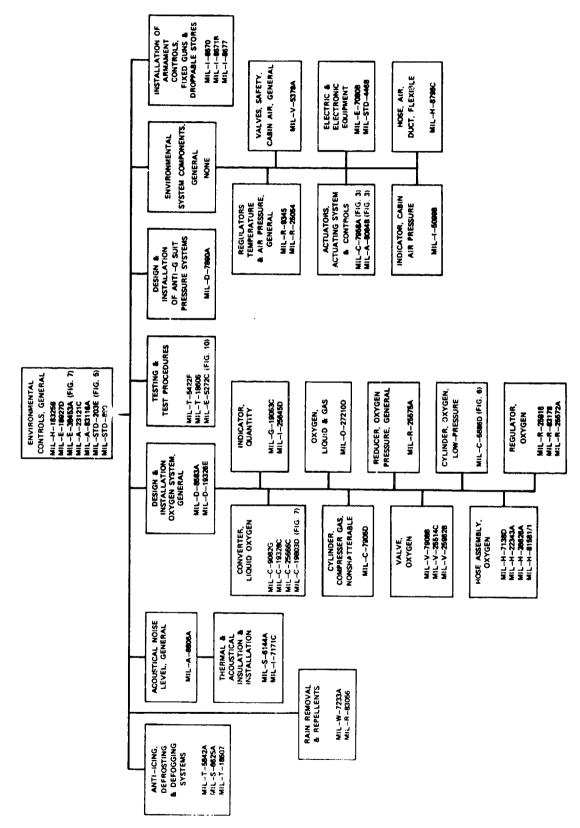
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Title	Sw.'.h, Air and Liquid Flow Sensing, General Specification for	Transmitter, Pressure, Aircraft, Variable Reluctance Type, General Specification for	Test Procedure for Aircraft Hydraulic and Pneumatic Systems, General	Valve, Aircraft Hydraulic Controllable Check (Type II Systems)	Valves, Shuttle, Hydraulic Aircraft, Type II Systems	Valves, Check, Miniature, Hydraulic, Aircraft and Missile	Valve, Servo Control, Electro-Hydraulic, General Specification for	Valves, Aircraft Hydraulic Unloading	Valves, Aircraft, Hydraulic Thermal Expansion Relief	Valves, Hydraulic Controllable Check	Valves, Aircraft Hydraulic Shuttle	Valve, Aircraft, Air, High-Pressure	Valve, Aircraft, Hydraulic Pressure Relief, Type II Systems
Spec/Std	MIL-S-28788	MIL-T-25435A (1)	MIL-T-5522C	MIL-V-19067A	MIL-V-19068A	MIL-V-25675B (4)	MIL-V-27162A	MIL-V-5519C(1).	MIL-V-5527A	MIL-V-5528A	MIL-V-5530C	MIL-V-6164C	MIL-V-8813
Preparer	EC	11	AS	AS	AS	11	11	71	AS	AS	71	7.1	7.1
FSC	5930	6620	1650	1650	1650	1650	6615	1650	1650	1650	1650	1650	4820
Assignee	ES	71	AS	AS	AS	SV	7.1	AS	AS	AS	AS	AS	SH



Specification and Standard Relationships for Environmental Control Subsystem. Figure 12.

## ENVIRONMENTAL CONTROL SUBSYSTEM (Figure 12)

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			(Fi	(Figure 1.2)
Assignee	FSC	Preparer	Spec/Std	Title
Flight-Essential Category (1)	ial Categor	y (1) None		
Mission-Essential Category (2)	ntial Catego	ory (2)		
7.1	1660	Ξ	MIL-A-83116A	Air Conditioning Subsystems, Air Cycle, Aircraft and Missiles, General Specification for
71	1660	AS	MIL-D-19326E	Installation and Tests of Liquid Oxygen Systems in Aircraft, General Specification for
7.1	1660	AS	MIL-D-8683A	Design and Installation of Gaseous Oxygen Systems in Aircraft General Specification for
WR	MISC	AS	MIL-E-7080B (3)	Electric Equipment, Aircraft, Selection and Installation of
71	1660	AS	MIL-E-18927D (2)	Environmental Systems Pressurized Aircraft, General Requirements for
71	1660	AS	MIL-H-18325B	Heating and Ventilating Systems, Aircraft
WS	1005	AS	MIL-I-8670 (1)	Installation of Fixed Guns and Associated Equipment in Naval Aircraft
WS	MISC	AS	MIL-I-8671B (4)	Installation of Droppable Stores and Associated Release Systems
WR	MSIC	AS	MIL-I-8677 (I)	Installation of Armament Control Systems and Associated Equipment in Naval Aircraft
WR	MISC	11	MIL-STD-890	Environmental Control, Environmental Protection, and Engine Air Bleed Subsystem Analyses
Lower-Tier Category (3)	ategory (3)			
82	1680	AS	MIL-A-23121C	Aircraft Environmental, Escape and Survival Cockpit Capsule System, General Specification for
11	1500	AS	MIL-A-8806A (1)	Acoustical Noise Level in Aircraft, General Specification for
71	1660	AS	MIL-C-19328C	Converter, Liquid Oxygen, 5 Liter, MB-5A

### JTCG/AS-74-D-003

# ENVIRONMENTAL CONTROL SUBSYSTEM (Contd.) (Figure 12)

Title	Converter, Liquid Oxygen, Capacitance Type Gaging, General Specification for	Cylinder, Compressed Gas, Non-Shatterable	Converter, Oxygen, Aircraft, Liquid to Gaseous, General Specification for	Design and Installation of Anti-G Suit Pressure Systems in Jet Propelled Aircraft	Gage, Aircraft, Capacitance, Liquid Oxygen Converter, General Specification for	Hose Assemblies, Metal, Liquid Oxygen	Hose Assembly, Tetrafluoroethylene, Oxygen	Hose Assembly, Oxygen Breathing Connector to Regulator	Hose Assemblies, Breathing Oxygen and Air, General Specification for	Hose, Air Duct, Flexible, Aircraft	Indicator, Liquid Oxygen Quantity, Capacitance Type, General Specification for	Indicator, Cabin Air Pressure, 1-7/8 Inch Dial, Type MA-1	Insulation Blanket, Thermal-Acoustical	Oxygen, Aviators Breathing, Liquid and Gas	Regulator, Temperature, Aircraft-Cabin, General Specification for	Regulator, Oxygen, Automatic-Pressure-Breathing High Altitude, General Specification for
Spec/Std	MIL-C-25666C (2)	MIL-C-7905D	MIL-C-9082G	MIL-D-7890A (2)	MIL-G-19053C (1)	MIL-H-22343A	MIL-H-26626A (2)	MIL-H-7138D (1)	MIL-H-81581/1 (1)	MIL-H-8796C	MIL-I-25645D (1)	MIL-I-5099B	MIL-I-7171C	MIL-O-27210D (2)	MIL-R-25054	MIL-R-25572A
Preparer	11	AS	71	11	AS	AS	71	AS	AS	AS	=	AS	WP	89	Ξ	Ξ
FSC	1660	8120	1660	1660	1660	1660	1660	1660	1660	1660	0899	9889	1560	6830	0891	0991
Assignee	7.1	CS	7.1	71	7.1	71	71	71	71	71	AS	82	80	GS	82	71

ENVIRONMENTAL CONTROL SUBSYSTEM (Contd.)	(Figure 12)
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(Tight ti	Title	Reducer, Oxygen Pressure, General Specification for	Regulator, Oxygen, Dijuter-Demand, Automatic-Pressure-Breathing, General Specification for	Rain Repellents, In-Flight Applied, Aircraft Windshield	Regulator, Oxygen, Diluter-Demand, Automatic-Pressure-Breathing, General Specification for	Regulator, Air Pressure, Aircraft Cabin, General Specification for	Sound and Thermal Insulation for Aircraft General Specification for Installation of	Spray Equipment, Aircraft Windshield, Anti-Icing	Test Procedures for Aircraft Environmental Systems	Thermal Anti-Icing Equipment, Wing and Empennage	Testing, Environmental, Airborne Electronic and Associated Equipment	Transparent Areas, Anti-Icing, Defrosting, and Defogging Systems, General Specification for	Valve, Oxygen Check, For 70-psi Oxygen Converters	Valve, Liquid Oxygen Drain	Valve, Safety, Cabin Air, General Specification for	Valves, Check, Aircraft Low Pressure Oxygen Systems	Windshield Wiper System, Electric, Aircraft, General Requirements for	Environmental Requirements for Electronic Parts
mgr 1)	Spec/Std	MIL-R-25575A (1)	MIL-R-25916 (6)	MIL-R-83056(USAF)	MIL-R-83178 (2)	MIL-R-9345 (1)	MIL-S-6144A	MIL-S-6625A	MIL-T-18606 (1)	MIL-T-18607	MIL-T-5422F(ASG)	MIL-T-5842A (1)	MIL-V-25514C(1)	MIL-V-25962B	MIL-V-5379A (1)	MIL-V-7908B	MIL-W-7233A	MIL-STD-446B
	Preparer	11	Ξ	11	11	11	AS	AS	AS	AS	AS	11	71	71	. 17	11	11	
	FSC	1660	1660	6850	1660	1660	1560	6850	1660	1650	MISC	1650	1660	1660	1660	1660	1680	MISC
	Assignee	7.1	71	CS	7.1	71	80	CS	7.1	AS	N R	AS	71	71	11	71	82	WR

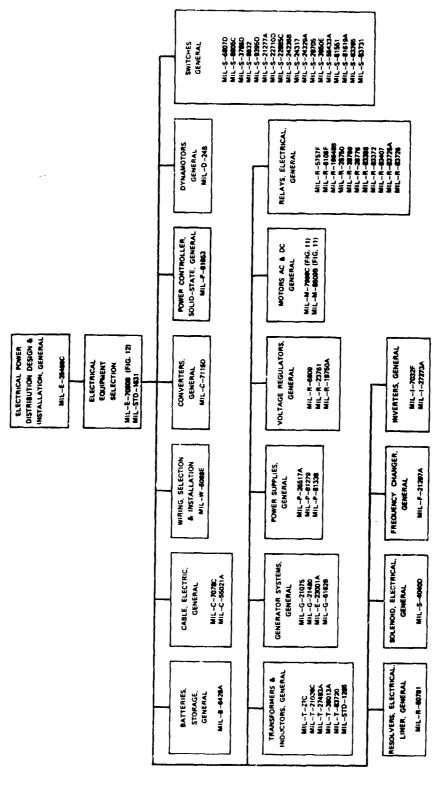


Figure 13. Specification and Standard Relationships for Electrical Power/Distribution Subystem.

# ELECTRICAL POWER/DISTRIBUTION SUBSYSTEM (Figure 13)

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Assignee	FSC	Preparer	Spec/Std	Title
Flight-Essential Category (1)	ial Category	(1) None		
Mission-Essential Category (2)	ntial Catego	ry (2)		
WR	MISC	=	MIL-E-25499C	Electrical System, Aircraft Design and Installation of, General Specification for
=	1500	AS	MIL-W-5088E (1)	Wiring, Aircraft, Selection and Installation of
ES	59GP	EC	MIL-STD-1631	Procedure for Selection of Electronic and Electrical Parts During Equipment Design
Lower-Tier Category (3)	ategory (3)			
AS	6140	82	MIL-B-6428A	Batteries, Storage, Integrally Shielded, Lead-Acid Type, General Specification for
IS	6145	MI	MIL-C-55021A (2)	Cable, Twisted Pairs and Triples, Internal Hookup, General Specification for
IS	6145	AS	MIL-C-7078C	Cable, Electric, Aerospace Vehicle, General Specification for
SH	6130	AS	MIL-C-7115D (1)	Converter, Aircraft, General Specification for
82	6125	EL	MIL-D-24B (2)	Dynamotor, General Specification for
WE	6115	AS	MIL-E-23001A (1)	Electric Generating System, Variable Speed Constant Frequency-Aircraft, General Specification for
82	6125	AS	MIL-F-21297A	Frequency Changers, Electrical, Aircraft, General Specification for
ME	6115	AS	MIL-G-21075 (1)	Generator System, Single Generator, Constant Frequency, Alternating Current, Aircraft, General Specification for
ME	6115	AS	MIL-G-21480A (1)	Generator System, Single Generator, Constant Frequency Alternating Current, Aircraft, Class C, General Specification for

# ELECTRICAL POWER/DISTRIBUTION SUBSYSTEM (Contd.) (Figure 13)

(rigure 13)	Title	Generator, 30 Volt, Direct Current, Aircraft Engine Driven, General Specification for	Inverter, Power, Static, General Specification for	Inverter, Aircraft, General Specification for	Power Supply, Transformer-Rectifier, Aircraft, General Specification for	Power Supply, Miniature, General Specification for	Power Supply, Transistorized, Direct Current, Regulated, General Specification	Power Controller, Solid State, General Specification for	Relay, Time Delay, Thermal, General Specification for	Regulator, Voltage, 28V, 120°C, for 30V Direct Current Generator, General Specification for	Regulator, Voltage, Static, 28V Direct Current Generator, General Specification for	Relay, Solid State, Specification for	Relay, Electrical, Photosensitive, (for Control and Communication Type Equipment), General Specification for	Relay, Hybrid, General Specification for	Resolver, Electrical, Linear, General Specification for	Relay, Electrical (for Electronic and Communication Type Equipment) General Specification for	Relay, Electric, Aerospace, General Specification for
(Figu	Spec/Std	MIL-G-6162B	MIL-I-27273A (3)	MIL-I-7032F(ASG) (1)	MIL-P-26517A (5)	MIL-P-81279	MIL-P-81338	MIL-P-81653	MIL-R-19648B (2)	MIL-R-19750A	MIL-R-23761	MIL-R-28750	MIL-R-28769	MIL-R-28776	MIL-R-50781	MIL-R-5757F (4)	MIL-R-6106F (1)
	Preparer	AS	11	AS	11	AS	AS	AS	EC	AS	AS	EC	EC	EC	MU	EC	80
	FSC	6115	6130	6125	6130	6110	6130	6110	5945	2925	6110	5945	5945	5945	2990	5945	5945
	Assignee	ME	SH	82	SH	SH	SH	SH	ES	82	SH	ES	ES	ES	AS	ES	ES

# ELECTRICAL POWER/DISTRIBUTION SUBSYSTEM (Contd.) (Figure 13)

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### JTCG/AS-74-D-003

ELECTRICAL POWER/DISTRIBUTION SUBSYSTEM (Contd.)
(Figure 13)

Title	Solenoid, Electrical, General Specification for	Switch Capsules, Dry Reed Type, General Specification for	Switch, Rotary, Selector Power, General Specification for	Switch, Toggle, Hermetically Sealed, General Specification for	Switch, Solid State Transducer, General Specification for	Switch, Integral, Proximity, Sealed, General Specification for	Switch, Toggle, Unsealed and Sealed Toggle, General Specification for	Switches and Switch Assemblies, Sensitive and Push, Snap Action, General Specification for	Switch, Pressure, Aircraft, General Specification for	Switch, Pressure (Absolute Gauge and Differential) General Specification for	Transformer, Pulse, Low Power, General Specification for	Transformer and Inductor (Audio, Power, and High Power Pulse) General Specification for	Transformer, Variable, Single Phase 400 Cycles, General Specification for	Transformers and Inductors (Audio and Power) Established Reliability, General Specification for	Transformer and Inductors, Non-Explosive, General Specification for	Transformer, Inductors, and Coils Selection and Use of
Spec/Std	MIL ·S-4040D (1)	MIL-S-55433A (2)	MIL-S-6807D	MIL-S-81551	MIL-S-81619A	MIL-S-83395	M1L-S-83731	MIL-S-8805C (2)	MIL-S-8932	MIL-S-9395D	MIL-T-21038C (2)	MIL-T-27C (1)	MIL-T-27493A	MIL-T-39013A	MIL-T-83720 (1)	MIL-STD-1286
Preparer	80	EL	80	AS	AS	111	80	EC	AS	80	EC	EL	11	EL	80	EL
FSC	5945	5930	5930	5930	5930	5930	5930	5930	1650	5930	5950	2950	2950	2950	2950	8950
Assignee	ES	ES	ES	ES	ES	ES	ES	ES	AS	ES	ES	ES	ES	ES	ES	ES

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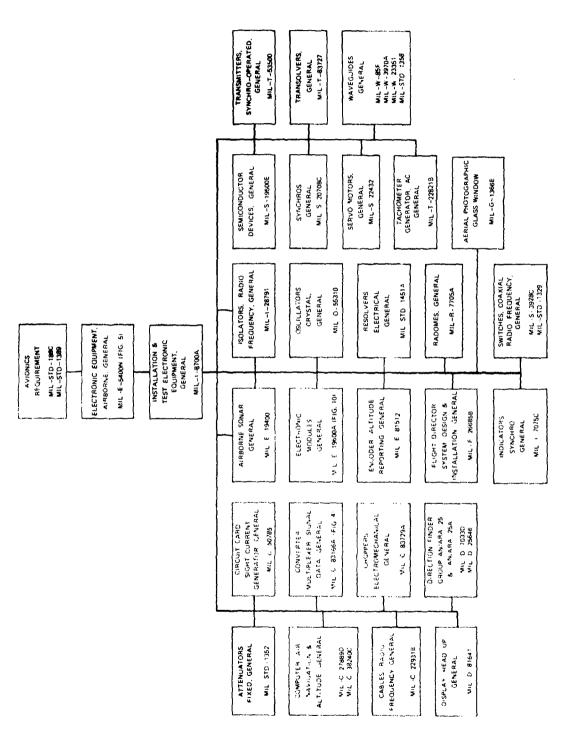


Figure 14. Specification and Standard Relationships for Avionics Subsystem.

### AVIONICS SUBSYSTEM (Figure 14)

			•	
Assignee	FSC	Preparer	Spec/Std	Title
Flight-Essential Category (1) None	ial Categor	y (1) None		
Mission-Essential Category (2)	ntial Catego	ory (2)		
WR	MISC	AS	MIL-I-8700A	Installation and Test of Electronic Equipment in Aircraft. General Specification for
WR	MISC	EC	MIL-STD-1389	Design Requirements for Standard Hardware Program, Electronic Modules
WR	MISC	EL	MIL-STD-188C	Military Communication System Technical Standards
Lower-Tier Category (3)	ategory (3	<u> </u>		
IS	6145	EC	MIL-C-22931B	Cable, Radio Frequency, Semirigid, Coaxial, Semi-Air-Dielectric, General Specification for
7.1	6610	11	MIL-C-27889D	Computer, Transducer, Altitude, Altitude Encoding CPU-46/A. General Specification for
7.1	6610	11	MIL-C-38240C	Computer, Altitude, Altitude Encoding CPU-66, General Specification for and MTU-39/A Mounting Tray
MU	1285	MU	MIL-C-50785	Circuit Card Assembly, Sight Current Generator, General Specification for
ES	5945	80	MIL-C-83729A	Chopper, Electromechanical, General Specification for
84	5826	==	MIL-D-25646	Direction Finder Group AN/ARA-25, Installation of
84	5826	AS	MIL-D-7033D (1)	Direction Finder Group AN/ARA-25 and AN/ARA-25A
7.1	6610	AS	MIL-D-81641	Display, Head Up, General Specification for
SH	5845	AS	MIL-E-19400 (1)	Electronic Equipment, Airborne Sonar. General Specification for
EL	7440	AS	MIL-E-81512	Eucoder, Shaft Position to Digital. Contact Type, Altitude Reporting, General Specification for

### AVIONICS SUBSYSTEM (Contd.) (Figure 14)

7;+!Z	ווונ	Flight Director System, Design and Installation of	Glass, Window, Aerial Photographic	Isolator. Radio Frequency, General Specification for	Indicator, Syncro, Aircraft, General Specification for	Oscillator, Crystal, General Specification for	Radome, General Specification for	Semiconductor Device, General Specification for	Syncro, General Specification for	Servomotor, General Specification	Switch, (Coaxial). Radio Frequency Transmission Line. General Specification for	Tachometer-Generator, AC, General Specification for	Transmitter, Syncro Operated, Aircraft, General Specification for	Transolver, General Specification for	Waveguides, Single and Double Ridged (Bandwidth Ratios 3.6:1 and 2.4:1) General Specification for	Waveguide Assemblies, Rigid, General Specification for	Waveguide, Rigid, Rectangular, General Specification for	Switch, RF Coaxial, Selection of	Attentuator, Fixed, Selection of	Waveguides. Rectangular. Ridged and Circular, Selection of	Resolver, Electrical. Selection of
	Spec/Std	MIL-F-26685B	MIL-G-1366E	MIL-1-28791	MIL-1-7057C (1)	MIL-0-55310	MIL-R-7705A	MIL-S-19500E (4)	MIL-S-20708C (2)	MIL-S-22432	MIL-S-3928C	MIL-T-22821B	MIL-T-5350D (1)	MIL-T-83727 (1)	MIL-W-23351	MIL-W-3970A	MIL-W-85F	MIL-STD-1329	MIL-STD-1352	MIL-STD-1358	MIL-STD-1 A
	Preparer	П	84	EC	11	EL	11	EC	AS	AS	EC	AS	11	80	EC	FC	EC	EC	EC	EC	MU
, , , , , , , , , , , , , , , , , , ,	1.S(	9099	9340	5865	6620	5955	5840	5961	0665	6105	5985	0899	6620	2990	5985	5885	5885	5885	5865	5885	2990
	Assignee	SH	GS	ES	71	Ⅱ	80	ES	AS	SH	ES	AS	71	AS	ES	ES	ES	ES	ES	ES	AS

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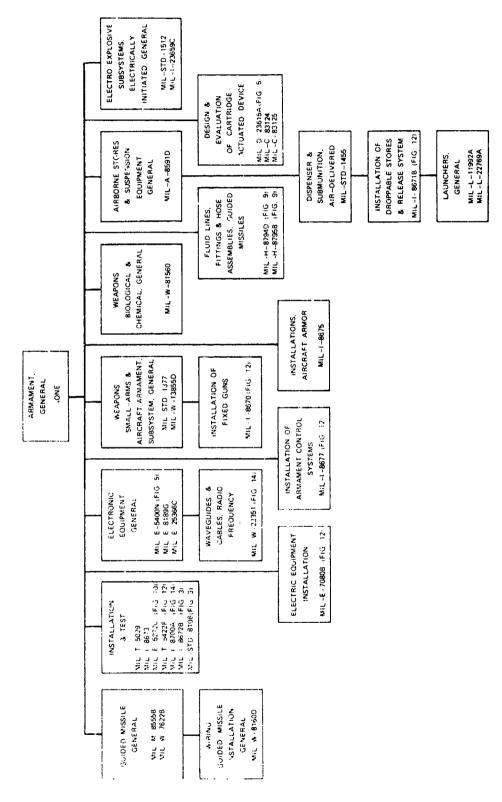


Figure 15. Specification and Standard Relationships for Armament Subsystem.

### ARMAMENT SUBSYSTEM (Figure 15)

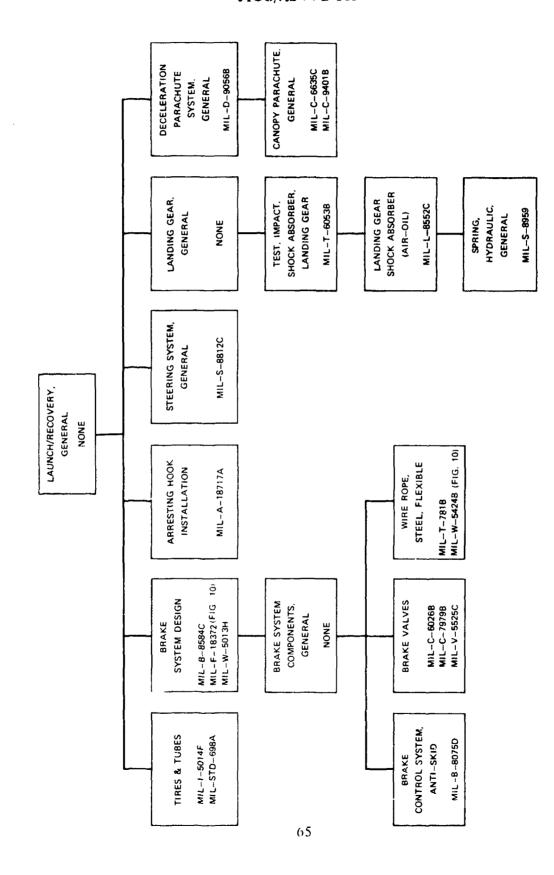
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	Assignee	FSC	Preparer	Spec/Std	Title
. –	Flight-Essential Category (1)	ial Category	(1)		
	GS	9340	AS	MIL-I-8675	Installation, Aircraft Armor
	Mission-Essential Category (2)	ıtial Catego	ry (2)		
	=	1500	AS	MIL-A-8591D(1)	Airborne Stores and Associated Suspension Equipment, General Design Criteria for
	MU	1377	AS	MIL-1-23659C	Initiator, Electric, Design and Evaluation of
	WC	5001	<b>W</b> C	MIL-W-13855D	Weapon, Small Arms and Aircraft Armament Subsystems, General Specification for
	EA	13GP	AS	MIL-W-81560	Weapon, Biological and Chemical, General Specification for
	WR	MISC	11	MIL-STD-1512	Electroexplosive Subsystems, Electrically Initiated, Design Requirements and Test Methods
	Lower-Tier Category (3)	ategory (3)			
	MU	1377	MU	MIL-C-83124	Cartridge Actuated Devices/Propellant Actuated Devices, General Design Specification for
	MU	1377	MU	MIL-C-83125	Cartridge for Cartridge/Propellant Actuated Devices, General Design Specification for
	70	1420	Ξ	MIL-E-25366C	Electric and Electronic Equipment and System, Guided Missile, Installation of, General Specification

ARMAMENT SUBSYSTEM (Contd.) (Figure 15)

Assignee FSC WR MISC 84 1270	FSC MISC 1270	Preparer AS AS	Spec/Std MIL-E-8189G MIL-I-8673	Fitle Electronic Equipment, Missiles, Boosters and Allied Vehicles, General Specification for Installation and Test of Aircraft Flexible Weapons Systems
70 <b>WR</b>	1440 MISC	MI AS	MIL-L-11992B MIL-L-22769A	Launcher for Guided Missiles, Ground and Airborne, General Specifications for Launcher, Weapons, Airborne and Associated Equipment, General Specification for
07	1410	AS	MIL-M-8555B	Construction, Gen
70	4925 14GP	18 AS	MIL-1-5029 MIL-W-7622B	Tests: Aircraft Armament Installations and Accessories, Standard Minimum Proof Weapon Systems, Guided Missiles, General Specification for
70	1420	11	MIL-W-8160D (1)	Wiring, Guided Missile, Installation of, General Specification for
WR	MISC	SO	MIL-STD-1377	Effectiveness of Cable, Connector, and Weapon Enclosure Shielding and Filters in Precluding Hazards of Electromagnetic Radiation to Ordnance, Measurements of
PA	UOJK	MU	MIL-STD-1455	Dispenser and Sub-Munition, Air Delivered, Safety Design and Safety Oualification



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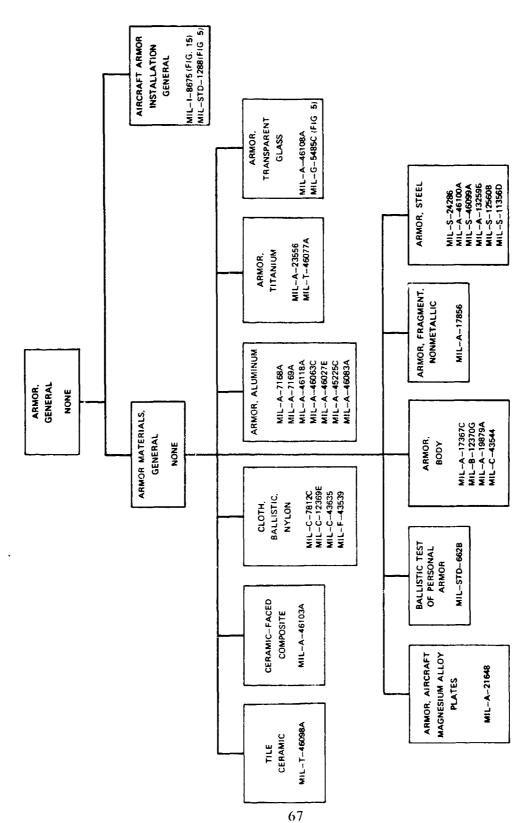
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Figure 16. Specification and Standard Relationships for Launch/Recovery Subsystem.

### JTCG/AS-74-D-003

# LAUNCH/RECOVERY SUBSYSTEM (Figure 16)

			31137 1)	
Assignee	LSC	Preparer	Spec/Std	Title
Flight-Essential Category (1)	al Categor	y (1) None		
Mission-Essential Category (2)	tial Catego	ory (2)		
AS	1710	AS	MIL-A-18717A(WP)	Arresting Hook Installations, Aircraft
70	1630	=	MIL-B-8584C	Brake Systems, Wheel, Aircraft, Design of
70	1620	11	MIL-S-8812C	Steering System, Aircraft General Requirements for
Lower-Tier Category (3)	ategory (3)			
70	1630	=	MIL-B-8075D	Brake Control Systems, Antiskid, Aircraft Wheels, Instructions for Preparation of, Specification for
70	1630	AS	MIL-C-6026B	Control Unit, Pressure Generating Manually Operated, Aircraft Hydraulic Brake System
& (1	1670	=	MIL-C-6635C (1)	Canopy, Parachute, Ribbon, General Specification for Construction of
70	1630	AS	MIL-C-7979B	Cylinders, Hydraulic Brake, Master, Power Assisted
82	1670	11	MIL-C-9401B	Canopy. Parachute, Ring Slot, General Specification for Construction of
∞ C1	1670	<del></del>	MIL-D-9056B	Deceleration Parachute Systems, Aircraft, General Requirements for
70	2620	70	MIL-I-5014F (1)	Inner Tube, Pneumatic Tire, Aircraft
70	1620	=======================================	MIL-L-8552C (2)	Landing Gear, Aircraft Shock Absorber (Air-Oil Type)
70	1620	11	MIL-S-8959	Spring, Hydraulic, General Specification for
82	4920	=	MIL-T-6053B(USAF)	Tests, Impact, Shock Absorber Landing Gear, Aircraft
SI	4030	69	MIL-T-781B (1)	Terminal, Wire Rope Swaging
70	1630	AS	MIL-V-5525C (1)	Valves, Aircraft Power Brake
70	1630	=	MIL-W-5013H(1)	Wheel and Brake Assemblies, Aircraft
70	2620	AV	MIL-STD-698A	Quality Standards for Aircraft Pneumatic Tires and Inner Tubes



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Figure 17. Specification and Standard Relationships for Armor Subsystem.

### ARMOR SUBSYSTEM (Figure 17)

## ARMOR SUBSYSTEM (Contd.) (Figure 17)

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Title	Armor, Transparent, Laminated Glass-Faced Plastic Composite	Aluminum Alloy Armor, 2219, Rolled Plate and Die Forged Shapes	Armor, Aircraft, Aluminum-Alloy-Plates Deflector	Armor, Aircraft, Aluminum-Alloy-Plates, Protector	Cloth Ballistic, Nylon	Carrier, Body Armor, Aircrewman, Small Arms Protective	Cloth, Felt: Ballistic Nylon, Lightweight	Cloth, Nylon, Ballistic	Felt, Ballistic, Nylon	Steel Armor, Cast, Homogeneous, Combat-Vehicle Type (1/4 to 12 Inches, Inclusive)	Steel Armor, Plate, Wrought, Homogeneous, Combat-Vehicle Type (1/4 to 6 Inches, Inclusive)	Steel Armor Plate, Wrought, High-Hardness	Steel Armor Plate, Roll-Bonded, Dual Hardness	Titanium Alloy Armor Plate, Weldable	Tile, Ceramic, Alumina, High Strength	Ballistic Acceptance Test Method for Personal Armor
Spec/Std	MIL-A-46108A	MIL-A-46118A	MIL-A-7168A	MIL-A-7169A	MIL-C-12369E (1)	MIL-C-43544 (GL)	MIL-C-43635	MIL-C-7812C	MIL-F-43539(GL)	MIL-S-11356D (1)	MIL-S-12560B(1)	MIL-S-24286 (2)	MIL-S-46099A	MIL-T-46077A	MIL-T-46098A	MIL-STD-662B
Preparer	MR	MR	:	:	CL	CL	CL	AS	CL	MR	MR	SH	MR	MR	MR	MR
FSC	9340	9535	•	:	8305	8470	8305	8305	8305	9515	9515	9515	9515	9535	9350	8470
Assignee	GS	SI	:	:	DP	DP	DP	DP	DP	IS	SI	IS	IS	ES	CS	DP

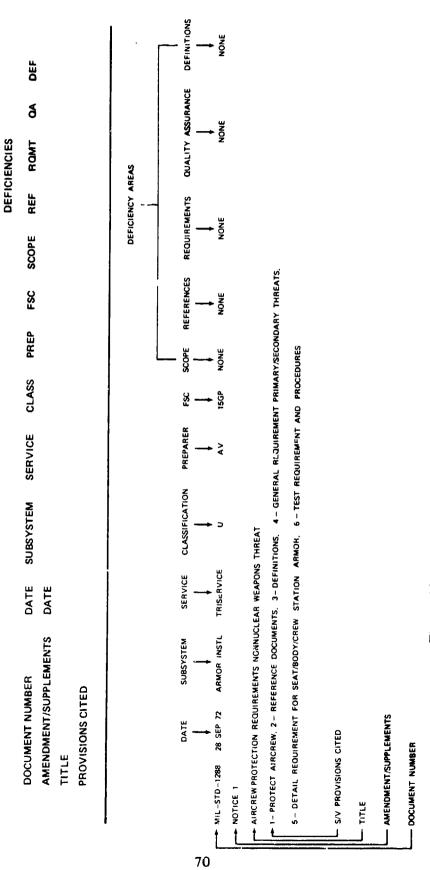


Figure 18. Example of Final Report Document Data Format.

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmit	QA	Def.
MIL-A-5498C (ASG)	25 FEB 57	F. aid pwr	USAF/Navy	n	<b>SA</b>	1650	Gen	None	None	None	<b>Gen</b>
Accumulators, Aircraft Hydropneumatic Pressure 1-Pressures to 3,000 psi: 2-Ref Documents; 3.5.1-Fragmentation; 4.4.11-Fragmentation Test .50 Cal IP at 25 Yards Tumbled; 6-Intended Use	··· t Hydropneumat si; 2-Ref Docume	iic Pressure ents; 3.5.1-Fragn	nentation; 4.4.11	-Frzgme	ntation <sup>′</sup>	Fest .50 C	al IP at 25	Yards T	umbled; 6.	-Intended	S. Use
MIL-A-7168A Notice 1	14 JUL 52 15 DEC 53	Armor mds	Triservice	၁	:	:	None	None	None	None	None
Armor, Aircraft, Aluminum-Alloy-Plates Deflector 1-Deflective Armor: 2-Ref Documents; 3.7-Ballistic Requirements Per Paragraph 4.4.1 of This Spec: 4.4.1.2-Ballistic Test Tables: 6-Notes	ninum-Alloy-Plate Ref Documents;	es Deflector 3.7-Ballistic Rec	quirements Per P	aragraph	4.4.1 of	This Spec	:: 4.4.1.2-1	Ballistic T	[est Tables	s: 6-Notes	
MIL-A-7169A Notice 1	14 JUL 52 15 DEC 53	Armor mtls	Triservice	၁	:	:	None	None	None	None	None
Armor, Aircraft, Aluminum-Alloy-Plates, Protector 1-Armor on Aircraft; 2-Ref Documents; 3.7-Ballistic Requirements Per Paragraph 4.4.1 of This Spec; 4.4.1.2-Ballistic Test Tables; 6-Notes	ninum-Alloy-Plate	es, Protector ;; 3.7-Ballistic Re	equirements Per	Paragrap	h 4.4.1 c	of This Spe	30; 4.4.1.2	-Ballistic	Test Table	es; 6-Note	6
MIL-A-7237A	31 JUL 62	Propul/pwr	Triservice	n	AV	2945	Çen	Gen	. Ge	Gen	Gen
Air Induction System, Reciprocating No S/V Provisions	Reciprocating E	Engine, General Specification for	pecification for								
MIL-A-8064B	22 JAN 70	Config*	USAF	מ	11	1680	ge	Gen	Gen	Gen	Gen

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Actuator and Actuating Systems, Aircraft, Electromechanical, General Requirements for

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	<b>V</b> O	Def
MIL-A-8591D (1)	04 JIIN 68	Armainent	Triservice	Ω	<b>AS</b>	1500	Gen	Gen	Gen	Cen	Gen
Airborne Stores and Associated No S/V Provisions		Suspension Equipment, General Design Criteria for	General Design	Criteria (	ĵor						
MIL-A-8806A(1)	12 SEP 67	Env cont	Triservice	D	AS	1500	Gen	Gen	Gen	Gen	Gen
Acoustical Noise Level in Aircraft, General Specification for No S/V Provisions	···i in Aircraft, Gen	eral Specification	n for								
MIL-A-8860	18 MAY 60	Structure	USAF/Navy	د	AS	1510	Gen	Gen	Gen	Gen	Gen
Airplane Strength and Rigidity, No S/V Provisions	··· Rigidity, Genera	General Specification for	or								
MIL-A-8861(ASG)	18 MAY 60	Structure*	USAF/Navy	ສ	AS	1510	Gen	Gen	Gen	Gen	Gen
Airplane Strength and Rigidity No S/V Provisions	 Rigidity Flight Loads	oads		•							
MIL-A-8862(ASG)	18 MAY 60	Structure	USAF/Navy	Ω	AS	1510	Gen	Gen	Gen	Cen	Gen
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Airplane Strength and Rigidity Landplane Landing and Ground Handling Loads No S/V Provisions

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	Ø.	Σer
MIL-A-8863(ASG) 18 MAY 60 Structure USAF/Navy U Amendment 1 Ariplane Strength and Rigidity Additional Loads for Carrier Based Airplanes No S/V Provisions	18 MAY 60  Rigidity Additio	Structure nal Loads for C	USAF/Navy arrier Based Airp	U	AS	1510	Gen	Gen	Gen	Gen	Gen
MIL-A-8864(ASG) 18 MA' Airplane Strength and Rigidity V No S/V Provisions	18 MAY 60  Rigidity Water a	Structure nd Handling Lo	Y 60 Structure USAF/Navy Vater and Handling Loads for Seaplanes	D :	AS	1510	Gen	Gen	Gen	Gen	Gen
MIL-A-8865(ASG) 18 MAY 60 Structure* Airplane Strength and Rigidity Miscellaneous Loads No S/V Provisions	18 MAY 60  Rigidity Miscella	Structure* meous Loads	USAF/Navy	Þ	AS	1510	Gen	Gen	Gen	Gen	Gen
MIL-A-8866(ASG) 18 MA Airplane Strength and Rigidity I		Structure* lity Requiremen	Y 60 Structure* USAF/Navy U AS Reliability Requirements, Repeated Loads, and Fatigue	U ids, and	AS Fatigue	1510	Gen	Gen	Gen	Gen	Gen
MIL-A-8867(ASG) 18 MA Airplane Strength and Rigidity No S/V Provisions	18 MAY 60 Stru  Rigidity Ground Tests	Structure I Tests	USAF/Navy	b	AS	1510	Gen	Gen	Gen	Gen	Sen

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USAF/Navy

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18 MAY 60

MIL-A-8870(ASG)

Airplane Strength and Rigidity Vibration, Flutter, and Divergence No S/V Provisions

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MIL-A-8868(ASG)	18 MAY 60 Structure	Structure	USAF/Navy	'n	AS	1510	AS 1510 Gen Gen Gen	Gen	Gen	Gen	Cen .
Airplane Strength and Rigidity Data and Reports No S/V Provisions	··· Rigidity Data an	id Reports									
MIL-A-8869(ASG)	18 MAY 60 Structure	Structure	USAF/Navy	n	AS	AS 1510	Gen	Cen	Gen	Gen	Gen
Airplane Strength and Rigidity Special Weapons Effects No S/V Provisions	Rigidity Special	Weapons Effect	S								

Gen 1510 Ξ  $\supset$ Airplane Tests, Strength and Rigidity. Flight and Ground Operations No S/V Provisions USAF Structure 31 MAR 71

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MIL-A-8871A

Airplane Strength and Rigidity, Vibration No S/V Provisions

MIL-A-8892(USAF)

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Class Prep	FSC	Scope	Ref	Remt	<b></b>	ă
MIL-A-8893(USAF)	31 MAR 71 Structure	Structure	USAF	n	==	1510	U 11 1510 Gen Gen Gen Gen	Gen	Gen	Gen	Cen
Airplane Strength and Rigidity. Sonic Fatigue No S/V Provisions	Rigidity. Sonic	Fatigue									
MIL-A-8897A	14 MAY 63 Fluid pwr	Fluid pwr	Triservice	n	AS	AS 1650	Gen	Cen	Spec	Spec	Gen
Accumulators, Hydraulic, Cylindrical, 3,000 psi, Aircraft Type II Systems 3.4-Unit to Pass Tests in Section 4: 4.4(J)-Fragmentation Test, 4.7.10-lm or Excessive Tearing	die, Cylindrical, in Section 4; 4.	ical, 3,000 psi, Aircraft Type II Systems 4: 4.4(J)-Fragmentation Tes <sup>2</sup> . 4.7.10-Impact with Tumbled .50 Cal Incendiary Projectile Without Separation	ft Type II Systo ion Test, 4.7.1	ems 0-Impact	with Tu	mbled .50	Cal Incen	diary Pro	ojectile Wi	thout Se	oaration

1-Non-Magnetic Steel of one Composition: 2-Ref Documents; 3.1-Chemical Com; osition, 3.5-V50 Protection Ballistic Limit; 4.6.2.6 Thru None Gen None 9515 Armor, Steel, Sheet, Strip and Fabricated Forms, Rolled, for Helmets and Personal Armor MR Army Armor mtls 4.6.2.6.5-Ballistic Test Rqmts; 6.1-Ordering Data 06 MAY 66 MIL-A-13259B

None None None None 8470 **M**C Navy Armor mtls 15 JAN 69 MIL-A-17367C(1)

None

Armor, Body, Fragmentation Protective, Upper Torso, (With Collar, M-1355)

1-Protective Body Armor; 2-Ref Documents; 3.3.1-Ballistic Nylon Cloth Per MIL-C-7812, 3.9-Ballistic Test Method Per MIL-STD-662; 4-Test and Inspection; 6-Intended Use

None None None None None Navy Armor mtls **05 JAN 53** 05 APR 54 Armor, Fragment, Non-Metallic MIL-A-17856

1-Sheet or Panel Form; 2-Ref Documents; 3.2-Rallistic Requirements Penetration Test With .22 Cal and/or .30 Cal Fragment Simulators; 4.2.3.3-Ballistic Test Tables: 6.2-Intended Use

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Subsystem
MIL-A-18717A(WP) 06 APR 65 Launch/rec Navy  Arresting Hook Installations, Aircraft No S.V Provisions
MIL-A-19531B 24 DEC 58 Config Navy Aircraft. Maintenance and Engineering Inspection Requirements No S/V Provisions
MIL-A-19726A (2) 16 MAR 66 Fuel sys Navy Amendment 2 16 MAR 66 Air Refueling Systems, General Specification for Ne S/V Provisions
65 Armor mtls Navy 68

MIL-A-21180C (1) 26 FEB 65 Structure
Aluminum-Alloy Castings, High Strength
No S/V Provisions

1.1-Fragmentation 'Protection Body Armor; 2-Ref Documents; 3.6-Ballistic Aueptance Test Method; 4-No Ballistic Test Requirements; 6.1-Intended Use

Armor, Body, Fragmentation Protective: Lower Torso

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	O.A.	ρέ
MIL-A-21648	14 OCT 58	Armor mds	Navy	J	÷	:	None	None	None	None	None
Armor, Aircraft, Magnesium Alloy 1-Armor Plate; 2-Ref Documents:	esium Alloy Plates Occuments: 3.8-Bal	Plates 3.8-Ballistic Requirements Per Paragraph 4.4.3 of This Spec; 4.4.3-Ballistic Test Tables; 6-Notes	ents Per Parag	raph 4.4.	3 of This	Spec; 4.4	3-Ballistic	Test Tal	oles; 6-No	tes	
MIL-A-23121C	23 JUN 70	Env cont	Navy	Ω	AS	1680	Gen	Gen	Gen	Gen	Gen
Aircraft Environmenta	1, Escape and Su	Aircraft Environmental, Escape and Survival Cockpit Capsule System, General Specification for No S/V Provisions	osule System,	General S	pecificat	ion for					
MIL-A-23556	09 JAN 63	Armor mtls	Navy	၁	:	9515	None	None	None	None	None
Armor, Aircraft. Titanium Alloy, I-TI-3MN-Complex Alloy; 2-Ref 6.1-Ordering Data	<u> </u>	lates Documents: 3.8-Ballistic Requirements; 4.4.3-Ballistic Testing Per MIL-STD-662 and Table I of Spec;	listic Require	ments; 4	.4.3-Balli	istic Testi	ng Per M	IL-STD4	562 and	Table I o	f Spec;
MIL-A-45225C(MR) Amendment 1	19 JAN 70 03 NOV 70	Armor mtls	Аппу	n	MR	FORG	None	None	None	None	None
Aluminum Alloy Armor. Forged 1-Die Forgings: 2-Ref Documents;	.;	3.4-Ballistic Requirements; 4.4.1.3-Ballistic Tests; 6.1-Intended Use	nents; 4.4.1.3-	Ballistic J	ests; 6.1	-Intended	Use				

Deficiencies

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Armor Plate, Aluminum Alloy, Weldable 5083 and 5456

1 Armor 1/2 to 3 Inches Thick; 2-Ref Documents; 3.4-Ballistic Limits; 4.4.1.3, 4.6.3, and 4.7.2-Ballistic Testing; 6.3, 6.4, 6.5, and 6.6-Ballistic Definitions

None

None

None

None

None

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Armor mtls

05 DEC 73

MIL-A-46027E(MR)

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### Deficiencies

Def	None
O.A.	None
Rqmt	None
Ref	Gen
Scope	None
FSC	9535
Prep	MR
Class	n
Service	Triservice
Subsystem	Armor mtls
Date Date	31 AUG 72
Document Number Amend/supp Title Provisions Cited	MIL-A-46063C

1-7039 Wrought Aluminum Alloy: 2-Ref Documents: 3-Material Composition: 4.6.4-Ballistic Tests; 6.4-V5C Protection Ballistic Limit, 6.5 Thru Aluminum Alloy Armer Plate, Heat-Treatable, Weldable 6.7-Ballistic Test Definitions

MIL-A-46083A	27 APR 71	l Armor mtls	Triservice	c	MR	FORG None Gen	None	Gen	None None None	None	None
Aluminum Alloy Armor. Extruded. Weldable 1-Armor to 2 Inches Thick: 2-Ref Documents; 3.4-Ballistic Limits: 4.6.3-Table VI Ballistic Test Requirements; 6.4, 6.5, 6.6, and 6.7-Ballistic	 mor. Extruded. We s Thick: 2-Ref Do	sldable cuments; 3.4-Ball	istic Limits: 4.6	5.3-Table	VI Balli	stic Test 1	Requirem	ents; 6.4,	6.5. 6.6,	and 6.7-I	allistic

Test Definitions

None	
None	
None	
Gen	
None	
9515	
MR	
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Triservice	
Armor mtls	
06 NOV 72	
MIL-A-46100A(i)	

1-Lightweight; 2-Ref Documents: 3.13.1-Ballistic Test Plates; 4.4.1.1, 4.5.3. and 4.7.1-Ballistic Testing; 6.1-Intended Use, 6.4 Thru 6.7-Ballistic Armor Plate, Steel. Wrought, High-Hardness Test Definitions

None None None None	1 Rqmts:
None	oductior
None	;, 5-Prepr
None	ftl Rqmts
None	lures; 4-N
9390	on Proced
MR	-Fabricati
ני	nts Spec; 3
Triservice	ure Requireme acking: 2-Ref
Armor mtls Triservice	mposite, Proced Nonmetallic E Intended Use
22 DEC 67	Ceramic-Faced Country onded to Metalliatic Test Rqmts: 7
MIL-A-46103A	Armor Lightweight, Ceramic-Faced Composite, Procedure Requirements 1-Ceramic Armor Bonded to Metallic/Nonmetallic Backing: 2-Ref Spec; 3-Fabrication Procedures; 4-Mtl Rqmts; 5-Preproduction Rqmts: 6-Production/Ballistic Test Rqmts: 7-Intended Use

None None None None 9340 MR Triservice Armor mtls 22 MAY 72 MIL-A-46108A Armor, Transparent, Laminated Glass-Faced Plastic Composite
1-Flat Multi-Layer Glass-Faced With Non-Spalling Backing Material: 2-Ref Documents; 3-Material Rqmts, 3.9-Ballistic Test Plate Information; 4.7.6-Ballistic Testing: 6.3-Ballistic Test Information THE REPORT OF THE PROPERTY OF

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Document Number Amend/supp Title Provisions Cited	Dute Date	Subsystem	Service	Class	Class Prep	FSC	FSC Scope		Ref Rqmt QA Def	<b>V</b> O	Def
MIL-A-46118A	17 APR 69	17 APR 69 Amor mtls	Army	n	MR	9535	None	None	U MR 9535 None None None None	None	None
Aluminum Alloy Armor, 2219, Rolled Plate and Die Forged Shapes 1-2219. Aluminum Alloy: 2-Ref Documents; 3-Material rqmts, 3-4-	or, 2219, Rolled oy; 2-Ref Docu	colled Plate and Die Forged Shapes Documents; 3-Material rgmts, 3.4-Ballistic Rqmts, 3.8.1-Ballistic Test Plates or Forgings; 4.4.4, 4.5.4, 4.7.4,	ged Shapes rqmts, 3.4-B	allistic Ro	1mts, 3.8	.1-Ballisti	c Test Pla	tes or Fo	rgings; 4.4	1.4, 4.5.4	. 4.7.4,

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Deficiencies

Gen Gen Sen Sen 1660 Air Conditioning Subsystems, Air Cycle. Aircraft and Missiles, General Specification for No S/V Provisions  $\supset$ USAF and 4.8.2.3.3-Ballistic Test: 6.4-Ballistic Information Env cont 31 MAR 71 MIL-A-83116A

None None Gen 1630 Π  $\supset$ Triservice Launch/rec 24 FEB 71 No S/V Provisions MIL-B-8075D

Batteries, Storage, Integrally Shielded, Lead-Acid Type, General Specification for

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1-General Requirements for Anti-Skid System: 2-Ref Documents; 3-Requirements Per MIL-H-5440, MIL-H-8775, MIL-H-8891, MIL-P-5518; Brake Control Systems, Antiskid, Aircraft Wheels. Instructions for Preparation of, Specification for 4-No S/V Provisions for Test or Insp; 6-Intended Use

ج None None None Sen 1630 1 Triservice Launch/rec 12 AUG 70 MIL-B-8584C

Brake Systems, Wheel, Aircraft, Design of

1-Hydraulic or Pneumatic: 2-Ref Documents: 3-Requirements Per Specs MIL-H-5440, MIL-P-5518. MIL-H-8775, MIL-H-8991. MIL-F-18372, and MIL-F-9490; 4-Not Applicable; 6-Intended Use

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	<b>V</b> Ò	Def
MIL-B-12370G	29 DEC 72	Armor mtls	Triservice	n	GL GL	8470	None	None	None	Gen	Non
Body Armor. Fragmentation Protective Vest With 3/4 Collar, M-69 1-Sizes. 2-Ref Documents: 3-Material and Design Requirements: 4-Tests: 6.1-Intended Use	tation Protective nts: 3-Material a	e Vest With 3/4 C nd Design Requir	ollar, M-69 ements: 4-Test	s: 6.1-Inte	nded U	8					
MIL-B-43366A Amendment 2	30 MAR 73 06 OCT 66	Crew sta	Triservice	n	GL	8470	None	None	None	None	None
Body Armor, Fragmentation Protective, Groin 1-Classification: 2-Ref Documents: 3-Rqmts; 4-Examination Ballistic Filler; 6-Intended Use	tation Protective Documents: 3-R	e. Groin (qmts; 4-Examina	tion Ballistic F	iller; 6-In	ended I	Jse					
MIL-B-83054A	15 AUG 73	Fuel sys	USAF	Ð	11	9330	None	None	None	None	None
Baffle Material. Aircraft Fuel Tank 1-Explosion Suppression: 2-Ref Documents: 3.7.3-Flame Arrestor Characteristics: 4.6.11-Flamability Tests, 4.6.19-Flame Arrestor Tests; 6.1-Intended Use, 6.3-Definitions	ft Fuel Tank fon: 2-Ref Doci 3-Definitions	uments: 3.7.3-Flz	eme Arrestor	Character	istics: 4	.6.11-Flar	nability 1	ests, 4.6.	19-Flame	Arrestor	Tests;
MIL-C-172C (2)	20 OCT 66	Flt cont	Triservice	n	=	5975	Cen	Gen	Gen	Gen	Gen
Cases, Bases, Mounting, and Mounts Vibration (for Use With Electronic Equipment in Aircraft) No S/V Provisions	and Mounts Vi	ibration (for Use	With Electronia	c Equipm	ent in A	ircraft)					

Charts, Standard Aircraft Characteristics and Performance, Piloted Aircraft No S/V Provisions

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	<b>V</b>	) De
MIL-C-5503C (4) 26 APR 72 Fluid pwr Triservice Amendment 4 26 APR 72 Cylinder, Aeronautical, Hydraulic Actuatung, General Requirements for No S/V Provisions	26 APR 72 26 APR 72 11, Hydraulic Acn	Fluid pwr 12ting, General R	Triservice equirements for	D	=	1650	Gen	Gen	Gen	Sen Car	<b>.</b>
MIL-C-5637B  15 SEP 64 Propul/pwr Triservic  Cooler, Lubricating Oil, Petroleum Base, Aircraft Engine, Tubular No S/V Provisions	15 SEP 64  il, Petroleum Bas	Propul/pwr e, Aircraft Engin	Triservice e, Tubular	Þ	AS	2935	Gen	Gen	Gen	Gen	Gen
MIL-C-5886D Amendment 1	29 MAY 68 17 JAN 74	29 MAY 68 Pass/cargo* 17 JAN 74	Triservice	D	11	1660	Gen	Gen	None	None	None
Cylinder, Oxygen, Low Pressure, Nonshatterable 1-Low Pressure Storage; 2-Ref Documents; 3.6.6-Fragmentation by Gunfire; 4.6.8-Fragmentation Test Using .50 Cal M-2 AP Projectile; 6.1-Intended lise	w Pressure, Nonsl age; 2-Ref Doct	Nonshatterable Documents; 3.6.6-Fr	agmentation by	/ Gunfin	e; 4.6.8	-Fragmen	tation Te	t Using	.50 Cal M	-2 AP Pr	ojectil

Deficiencies

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Castings, Classification and Inspection of No S/V Provisions

કુ 1630 AS Triservice Launch/rec 09 OCT 59 MIL-C-6026B

Control Unit, Pressure Generating Manually Operated, Aircraft Hydraulic Brake System No S/V Provisions

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MIL-C-7054A(AER)(1)

Catapult, Personnel Ejection, NAM? Type II and MANC Type UII (sic) No S/V Provisions

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsy stem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	<b>V</b>	Def
MIL-C-6388A	27 AUG 58	Fluid pwr	USAF	ລ	11	1650	Gen	Gen	Gen	Gen	Gen
Compressor Unit, Air, Aircraft, Shaft Power Driven, General Specification for No S/V Provisions	oraft, Shaft Pow	er Driven, Gener	al Specification	for							
MIL-C-6591A	22 APR 52	Fluid pwr	USAF/Navy	Ω	Ξ	1650	Gen	Gen	Gen	Gen	Gen
Compressor Unit, Aircraft, Electric Motor Driven, General Specification for No S/V Provisions	. Electric Motor	Driven, General	Specification fo	<b></b>					•		
MIL-C-6635C (1)	24 JUL 68	Launch/rec	USAF/Navy	ນ	=======================================	1670	Gen	Gen	Gen	Gen	Gen
Canopy, Parachute, Ribbon. General Specification for Construction for No S/V Provisions	 n. General Speci	fication for Con	struction for								
MIL-C-6781B	13 SEP 60	Crew sta	USAF/Navy	n	AS	0891	Gen	Gen	Gen	Gen	Gen
Control Panel, Aircraft Equipment, Rack or Console Mounted No S/V Provisions	uipment, Rack o	or Console Moun	ıted								

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Ртер	FSC	Scope	Ref	Rqmt	QA	Det
MIL-C-7078C	09 AUG 71	Elec pwr	USAF/Navy	Ω	AS	6145	Gen	Gen	Gen	Gen	Gen
Cable, Electric, Aerospace Vehicle, General Specification for No S/V Provisions	 ace Vehicle, Ger	neral Specificatio	n for								
MIL-C-7115D (1)	29 SEP 72	Elec pwr	Army/Navy	n	AS	6130	Gen	Gen	Cen	æ	Gen
Converter, Aircraft, General Specification for No S/V Provisions Other Than Nuclear Radiation	 meral Specificati er Than Nuclear	on for Radiati on									
MIL-C-7413B(1)	16 MAY 73	Propul/pwr*	USAF/Army	þ	Ξ	4730	Cen	Gen	Gen	Sen	Gen
Couplings, Quick Disconnect, Automatic Shutoff, General Specification for No S/V Provisions	··· nnect, Automat	ic Shutoff. Gene	ral Specification	ı for							
MIL-C-7712A Notice 1	13 NOV 52 20 FEB 63	Fluid pwr	Navy	Ď	AS	2835	Gen	Gen	Gen	Cen	Gen
Compressor, Air, Gas Turbine Type, General Specification for No S/V Provisions	urbine Type, G	eneral Specificati	ion for								
MIL-C-7812C	31 MAR 59	Armor mtls	Navy	ņ	AS	8305	None	None	None	None	None
Cloth, Nylon, Ballistic 1-Flak Protective Vests and Curtains: 2-Ref Documents: 3-Materials: 4-Inspection; 6-Intended Use	and Curtains: 2	-Ref Documents	: 3-Materials: 4-1	Inspectio	n; 6-Inte	nded Use					

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	Ref R <sub>Jmt</sub>	None None	umbled ar	Gen	
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	FSC Scope	Gen	P Projecti	Gen	
	FSC	U AS 8120	Caliber A	2995	
	Class Prep	AS	and .50	71	
	Class	ລ	.7.10-30	'n	
	Service	Triservice	1 Resistance; 4	Triservice	
	Subsystem	Env cont	rable .9-Fragmentatior	Config*	
	Date Date	02 JAN 68	Gas, Non-Shatte  Documents: 3.6	28 JUL 71	exible and Rigid
	Document Number Amend/supp Title Provisions Cited	MIL-C-7905D	Cylinder, Compressed Gas, Non-Shatterable 1-Classification: 2-Ref Documents: 3.6.9-Fragmentation Resistance; 4.7.1030 and .50 Caliber AP Projectile Both Tumbled and Non-Tumbled; 6-Intended Use	MIL-C-7958A	Control, Push Pull, Flexible and Rigid

MIL-C-7958A	28 UL 71 Config*	Config*	Triservice	Ü	71	2995	Gen	Gen	Gen	Gen	Gen
Control, Push Pull, Flexible and Rigid No S/V Provisions	Flexible and Rigid										
MIL-C-7979B	21 OCT 59	OCT 59 Launch/rec	Triservice	<b>5</b>	AS	AS 1630	Gen	Gen	Gen	Gen	Gen
Cylinders, Hydraulic Brake, Master, Power Assisted No S/V Provisions	Brake, Master, Po	wer Assisted									
MIL-C-7989B	08 MAR 71 Config	Config	Triservice	n	82	0220	Gen	Gen	Gen	Gen	Gen
Cover, Light Transmitting, for Aeronautical Lights, General Specification for No S/V Provisions	itting, for Aeronau	ıtical Lights, Gene	eral Specificatio	n for							

Color, Interior, Aircraft, Requirements for No S/V Provisions

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25 AUG 71 Structure

MIL-C-8779D

Also Propul/pwr and Env cont

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Document Number Amend/supp Title Provisions Cired	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	آغ
MIL-C-8838A	01 MAR 73	Fluid pwr	USAF/Navy	n	11	1650	Gen	Sen	Gen	Gen	Gen
Cylinder, Pneumatic Actuating, No S/V Provisions	Actuating, Aircra	Aircraft Utility System, General Specification for	, General Speci	ification 1	,i,						
MIL-C-9082G	03 JUN 70	Env cont	USAF	<b>n</b>	71	1660	Gen	Gen	None	None	Gen
Converter. Oxygen. Aircraft, Liquid to Gaseous, General Specification for 1-70 or 300 psig: 2-Ref Documents: 3.6.10-Remain in One Piece Without Shattering Subject to Gunfire; 4.5.12-Gunfire Test .50 Cal API Tumoled: 6.1-Intended Use	Aircraft, Liquid to 3-Ref Documents: ended Use	Gaseous, Genera 3.6.10-Remain	ıl Specification n One Piece V	for Vithout §	hattering	g Subject	to Gunfi	re; 4.5.12	-Gunfire	Test .50	Cal API
MIL-C-9401B	09 JAN 68	Launch/rec	Triservice	D	11	1670	Gen	Gen	Gen	Gen	Gen
Canopy. Parachute. Ring Slot. (No S/V Provisions	Ring Slot, General	General Specification for Construction of	Construction	oę							
MIL-C-9927A	15 OCT 69	Config	USAF	'n	16	TMSS	Gen	Gen	Gen	Gen	Gen

1.1-Minimum Ballistic Resistance: 2-Ref Documents: 3.9-Ballistic Limit V<sub>50</sub> for 12 Layers Not Less Than 1,225 fps; 4.4-Ballistic Tests Using ...2 Cal Type 2 Projectile: 6.1-Intended Use 29 JAN 69 29 JAN 69 Cloth Ballistic, Nylon Amendment 1

None

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Checklist, Organizational Maintenance (for Aeronautical Weapons Systems)

No S/V Provisions

MIL-C-12369 (1)

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	<b>V</b> O	Def
MIL-C-: 8244A	01 DEC 62	Flt cont	Amy/Navy	U	AS	MISC	Cen	Gen	Gen	Gen	Gen
Control and Stabilization Systems, Automatic Piloted Aircraft, General Specification for No S/V Provisions	on Systems, Aut	omatic Piloted	Aircraft, General	Specifica	ttion for						
MIL-C-18375A(ASG)	30 AUG 62	Flt cont	USAF/Navy	כ	AS	6145	None	None	None	None	None
Cable, Steel (Corrosicia-Resisting) No S/V Provisions	··· ·-Resisting)										
MIL-C-18491A	30 JUN 71	Crew sta	Navy	ב	AS	1680	None	None	None	Spec	None
Curtain, Flak Protective 1-Type & Size; 2-Ref Documen	···	sterials: 4-No Bal	.ts: 3-Materials: 4-No Ballistic Test Requirements; 6-Intended Use	irements;	6-Inten	led Use					
MIL-C-19328C	05 MAR 68	Env cont	USAF/Navy	Ŋ	AS	1660	Gen	None	None	None	Gen
Converter, Liquid Oxygen, 5 Liter, MB-5A 1-One Type Converter; 2-Ref Documents; 3.7.14-No Evidence of Shattering From Gunfire Base Withstand Forces Exerted by Gunfire:	gen, 5 Liter, MB rr; 2-Ref Docum PI Tumbled: 6-1	F5A nents: 3.7.14-Nonrended lise	o Evidence of	Shatterin	g From	Gunfire	Base With	stand Fo	rces Exe	rted by (	denfire:

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1-Storing and Pressurizing Liquid Oxygen; 2-Ref Documents; 3.7.14-Gunfire Test Shall Show no Evidence of Shattering; 4.8.15-Test Using .50 Caliber API Bullet Tumbled; 6.1-Intended Use

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None

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Propul/pwr\*

18 JAN 68

Converter. Liquid Oxygen, 10 Liter, GCU-24/A

Amendments 1, 2, & 3

MIL-C-19803D

4.8.15-.50 Caliber API Tumbled: 6-Intended Use

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14 FEB 57 Propul/pwr

MIL-C-25478 (1)

Cooler, Lubricating Oil, Aircraft Engine Synthetic Oil, General Specification for No 5/V Provisions

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsysten:	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Ğ
MIL-C-22263B	28 JUN 72	Fuel sys	Triservice	Ω	AS	4730	Gen	Gen	Gen	Gen	E
Couplings Fuel Line, Flexible, No S/V Provisions		25 psi General Specification for	tion for								
MIL-C-22284A	07 SEP 65	Propul/pwr	Navy	n	AS	1680	Gen	Gen	None	None	None
Container, Aircraft Fire Extinguishing System, Bromotrifluoromethane, CF3BR 1-Types; 2-Ref Documents; 3-Requirements; 4.6.10-Gunfire Test With .50 Cal M2 AP Tumbled; 6.1-Intended Use	e Extinguishing ents; 3-Requirer	System, Bromotr. ments; 4.6.10-Gur	ifluoromethane ifire Test With .	, CF3BR 50 Cal M	2 AP Tı	ımbled; 6	.1-Intende	d Use			
MIL-C-22931B	10 FEB 68	Avionics	Triservice	n	EC	6145	Gen	Gen	Cen	Gen	Gen
Cable, Radio Frequency, Semi-Rigid, Coaxial, Semi-Air-Dielectric, General Specification for No S/V Provisions	 .y., Semi-Rigid. (	Coaxial, Semi-Air-	Dielectric, Gene	eral Speci	fication	for					
MIL-C-25427A (1)	08 JAN 63	Fluid pwr	Triservice	b	AS	4730	Gen	Gen	Gen	Gen	Cen
Coupling Assembly, Hydraulic, Self-Sealing, Quick Disconnect No S/V Provisions	ydraulic, Self-Se	aling, Quick Disce	onnect								

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Document Number Amend/sup. Title Provisions Cited	Date Date	Subsystem	Service	Class Prep	Prep	FSC	Scope	Ref	Ref Rqmt	OA	Def
MIL-C-25570E (1)	25 MAR 70 Crew sta	Crew sta	USAF	n	11	1660	Gen	Gen	Gen	Cen	Gen
Container, Survival and Oxygen I	 Id Oxygen Equip	Equipment, Cushion, Seat, General Specification for	at, General Sp	ecificatio	n for						
MIL-C-25666C (2)	03 FEB 69	Env cont	USAF	Ω	=	1660	Gen	Gen	None	None None	None
Converter, Liquid Oxygen, Capacitance Type Gaging, General Specification for 1-70 or 300 psig: 2-Ref Documents; 3.5.12-Remain in One Piece Without Shattering When Subject to Gunfire; 4.5.13-Gunfire Test .50 Cal API	ygen, Capacitanc	e Type Gaging, Ge 3.5.12-Remain in (	eneral Specific One Piece Witl	ation for hout Shat	tering W	hen Subje	ct to Gun	îre; 4.5.1	3-Gunfire	Test .50	Cal API

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USAF	C. C. F. Const. Errana Consert Specification for
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06 OCT 65 Crew sta	: : :
MIL-C-25918 (2)	•

Cartridge Actuated Devices, Aircraft Crew Emergency Escape, General Specification for N. S/V Provisions

MIL-C-25969B 04 MAR 70 Crew sta USAF U 11

Capsule Emergency Escape Systems, General Specification for No S/V Provisions

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Coating System, Elastomeric, Thermally Reflective and Rain Erosion Resistant No S/V Provisions

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Tumbled; 6.2-Procurement Documents

ITCC	/AS-74-D-003
JICG	/A3-/4-D-003

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Triservice

15 APR 66 Pass/cargo

MIL-C-38747

Covering, Floor, Military Aircraft, General Specification for No S/V Provisions

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Deficiencies

MIL-C-27505B(USAF) 15 JUN 67 Propul/pwr USAF U 70 13  Cartridge, Engine Starter MXU-4A6A  No S/V Provisions  MIL-C-27649 (3) 10 FEB 65 Crew sta USAF U 82 84  Coveralls, High Altitude CSK-6/P22S-2  No S/V Provisions  Computer, Transducer, Altitude, Altitude Encoding CPU-46/A, General Specification for No S/V Provisions  MIL-C-38240C 19 JUL 71 Avionics USAF U 11 66	Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	<b>₹</b>	Det
######################################	MIL-C-27505B(USAF	15 JUN 67  ter MXU-4A6A	Propul/pwr	USAF	n	0/	1377	Gen	Gen	Gen	Gen	Gen
### Arc. 27889D 20 SEP 71 Avionics USAF U 11 66 Computer, Transducer, Altitude, Altitude Encoding CPU-46/A, General Specification for vo S/V Provisions  ###################################	AIL-C-27649 (3) overalls, High Altituc	10 FEB 65  te CSK-6/P22S-;		USAF	D	<b>68</b>	8475	Gen	Gen	Gen	Gen	Gen
19 JUL 71 Avionics USAF U 11	fIL-C-27889D computer, Transducer vo S/V Provisions	20 SEP 71  r. Altitude, Altitu	Avionics ude Encoding CP	USAF U-46/A, Generi	U al Specific	11 ation fo	6610	Gen	Gen	Gen	Gen	Gen
) aut	MIL-C-38240C	19 JUL 71  dtitude Encodin	Avionics g CPU-66, Genera	USAF al Specification	U for and N	11 (TU-39/	6610 A Mountii	Gen ng Tray	Gen	Gen	Gen	Gen

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	ÓA	Def
MIL-C-43544(GL)	20 SEP 67	Armor mtls	Amy	n	CL	8470	None	None	None	None	None
Carrier, Body Armor, Aircrewman, Small Arms Protective No S/V Provisions; One Required as This Spec is for The Carrier for The Armor Material	 Aircrewman, Sm ne Required as TI	nall Arms Protecti his Spec is for Th	ve e Carrier for Th	e Armor	Material						
MIL-C-43635 Amendment 1	14 APR 69 11 FEB 72	Armor mtls	Triservice	n	CE	8305	None	None	None	None	None
Cloth, Felt: Ballistic Nylon, Lightweight 1.1-Resistant to Penetration by Ammo 6.1-Intended Use	Nylon, Lightweig tration by Amn	ightweight by Ammo Fragments: 2-Ref Documents; 3.6-Ballistic Resistance; 4.6.1 Thru 4.6.1.6-Ballistic Resistance Tests;	Ref Documents	s; 3.6-Ba	llistic Re	esistance;	4.6.1 Thr	u 4.6.1.6	-Ballistic	Resistance	: Tests:
WIL-C-50785 20 APR 73 Avioncis Army Supplement I 20 APR 73 Circuit Card Assembly, Sight Current Generator, General Specification for No S'V Provisions	20 APR 73 20 APR 73 7. Sight Current C	Avioncis Generator, Genera	Army al Specification	U	MU	1285	Gen	Gen	Gen	Gen	Gen
MIL-C-55021A (2)  13 FEB 70 Elec pwr USAF/Army U  Cable, Twisted Pairs and Triples, Internal Hookup, General Specification for No S/V Provisions	13 FEB 70  nd Triples, Interr	Elec pwr nal Hookup, Gene	USAF/Army eral Specificatio	U n for	Σ	6145	Gen	Gen	Gen	Gen	Gen
MIL-C-81126C	17 SEP 70	Crew sta	Navy	ב	AS	8415	None	None	None	None	None

1.1-Fire Resistant: 2-Ref Documents: 3-Materials and Components; 4-Inspection: 6.1-Intended Use

Coveralls, Flying, Summer, Fire Resistant Polyamide, Type CS/FRP-1

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Triservice

Armament

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MIL-C-83124

Cartridge Actuated Devices/Propellant Actuated Devices, General Design Specification for No S/V Provisions

Gen Gen Gen Gen	Gen Gen Gen Gen	Gen Gen Yone None
Rep Gen	Gen	Gen None 5.1-Protecti
1560 ner	1680	1680 8475
U AS ack and Traine	U AS	U AS U AS
Navy Fighter, Attac	Navy	Navy Navy TU-42/P ials and Comp
Aultiplace, F		4AR 73 Crew sta Navy ral Requirements for AN 73 Crew sta Navy igh Temperature Resistant, CWU-42/P int; 2-Ref Documents; 3-Materials and
Subsystem Crew sta	Crew sta uirements for	Crew sta uirements for Crew sta perature Res
Date Date 20 SEP 71 ystem, Fixed Wing	23 MAR 73  craft, General Requ	MIL-C-81774A 23 MAR 73 Crew sta Navy U AS 1680 Gen Gen C Control Panel, Aircraft, General Requirements for No S/V Provisions  MIL-C-81908 (1) 30 JAN 73 Crew sta Navy U AS 8475 None None Noverals, Flyers, Summer, High Temperature Resistant, CWU-42/P  1.1-High Temperature Resistant; 2-Ref Documents; 3-Materials and Components; 4-Inspection: 6.1-Protection from Fire
Amend/supp Date Subsystem Service Class Frep Amend/supp Date  Title Provisions Cited  ###################################	MIL-C-81774A 23 MAR 73 Crew sta Control Panel, Aircraft, General Requirements for No S/V Provisions	MIL-C-81774A 23 N Control Panel, Aircraft, Gene No S/V Provisions MIL-C-81908 (1) 30 J Coveralls, Flyers, Summer, High Temperature Resista

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	eo O	ŠĘ.
MIL-C-83125	10 MAR 69	Armament	Triservice	D .	MU	1377	Gen	Cen	Cen	Gen	કુ
Cartridge for Cartridge/Propellant Actuated Devices, General Design Specification for No S/V Provisions	···/ Propellant Actu	aated Devices, Gel	neral Design S.	ecificatio	n for						
MIL-C-83141 (5)	26 OCT 71	Crew sta	USAF	n	=	8415	None	None	None	None	None
Coveralls, Flying, Mens, Summer, Fire-Resistant 1-5 Types: 2-Ref Documents; 3-Materials; 4-Inspection; 5-Delivery; 6-General Notes	 s, Summer, Fire- ments; 3-Materi	Resistant als; 4-Inspection;	5-Delivery: 6-G	eneral No	tes						
MIL-C-83166A	03 SEP 69	Structure*	USAF	D	=	6610	Cen	Gen	Gen	Gen	Cen
Converter-Multiplexer, Signal No S/V Provisions		Data, General Specification for	n for								
MIL-C-83231	21 AUG 69	Structure	Triservice	n	Π	8010	Gen	Gen	Gen	Cen	Sen
Coating, Polyurethane, Rain Ersion Resistant for Exterior Aircraft and Missile Parts No S/V Provisions	, Rain Er sion R	lesistant for Exter	rior Aircraft an	d Missile	Parts						
MIL-C-83286A	27 OCT 72	Structure	USAF	ח	Ξ	8010	Cen	Gen	Gen	Cen	Sea
Coating Urethane, Aliphatic Isocyanate, for Aerospace Applications No S/V Provisions	ohatic Isocyanat	e, for Aerospace	Applications								

Also Avionics

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Document Number Amend'supp Title Provisions Cited	Date Date	Subsy stem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	VO O	<u>ن</u> <u>څ</u>
MIL-C-83291A(USAF) 10 AUG 72	F) 10 AUG 72	Fuel sys	USAF	מ	=	4720	None	None	None	None	None
Covers, Self-Sealing, Fuel Line, Aircraft 1-Self Sealing Fuel Line Covers and Hoses: 2-Ref Documents; 3.5 9-Gunfire Resistance: 4.5.11-Gunfire Tests Using .30, .50 and .60 Cal Ammunition; 6.1-Intended Use: 6.3-Definitions	Fuel Line, Aircraft Line Covers and ntended Use: 6.3-	t Hoses; 2-Ref D Definitions	ocuments; 3.5	9-Gunfire	Resista	ance: 4.5.1	1-Gunfire	Tests L	Jsing .30,	.50 and	.60 Cal
MIL-C-83729A	01 FEB 72	Avionics	Triservice	5	98	5945	Gen	Gen	Cen	Gen	ۼٙٙ
Chopper, Electromechanical, General Specification for No S'V Provisions	 hanical, General S	pecification for									
MIE-D-24B(2)	10 APR 64	Elec pwr	Triservice	n	EL	6125	Gen	Gen	Gen	Gen	Gen
Dynamotor, General Specification for No S/V Provisions	Specification for										
MIL-D-5813A (1)	03 JUN 71	Crew sta	USAF	n	82	1680	Cen	Gen	Cen	Gen	Gen
Dome, Navigator Observing, Non-Pressurized Aircraft. Type A-3A No S/V Provisions	serving, Non-Press	unized Aircraft.	Type A.3A								
MIL-D-6728A	15 NOV 56	Propul/pwr	Triservice	מ	AS	1560	None	Gen	None	None	None
Damper, Engine Exhaust Flame and Glare I-Types Piston Engines; 2-Ref Documents; 3.5.1-Exhaust visibility Suppression; 4-Test Procedures; 6-Intended Use	aust Flame and Glare gines; 2-Ref Docume	dare cuments; 3.5.1-E	:xhaust vide	Suppressi	on, 3.5	.2-Exhaust	Visibilit	y Suppr	ession: 4-	Test Pro	cedures:

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Deficiencies	Ref Rgmt QA	
	Class Prep FSC Scope	
	FSC	
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	Subsystem	
	Date Pate	
	Document Number Amend/supp Title Provisions Cited	

MIL-D-7033D(1)	22 NOV 67 Avionies		Triservice	כ	AS	5826	Gen	Gen Gen Gen Gen	Gen	Gen	Cen
Direction Finder Group AN/AR/ No S/V Provisions	AN/ARA-25 a	A-25 and AN/ARA-25A									
MIL-D-7602A	29 AUG 66	G 66 Pwr trains	USAF	ני	11 1660	1660	Sen	Gen	Gen	Gen Gen	Gen

Drive, Turbine, Air, Aircraft Accessory, General Specification for No S/V Provisions	Aircraft Accessory	r, Generaì Spec	ification for					
MIL-D-7890A (2)	27 JUN 73	27 JUN 73 Env cont	USAF/Navy U 11 1660 Gen	ت	Ξ	1660	Sen	Gen
Design and Installation of Anti-G Suit Pressure Systems In Jet Propelled Aircraft No S/V Provisions	on of Anti-G Suit	Pressure Syster	ns In Jet Propelled	l Aircraf				

MIL-D-8181B	15 MAR 65 Propul/pwr	Propul/pwr	Triservice	ン	Ξ	6340 Gen	Gen	Cen	Gen Gen	Cen
:::	:									
Detector, Ice, Air Intake Duct, Aircraft Engines and Airframe Systems, General Sp	ce Duct, Aircraft	Engines and An	frame Systems,	General	Specificatio	ation for				
No S/V Provisions										

1-Gaseous Oxygen Systems 450 to 1,800 psig. 2-Ref Documents; 3.6.1-Separate Cylinders to Minimize Combat Vulnerability; 4-Inspection and Design and Installation of Gaseous Oxygen Systems in Aircraft General Specification for Testes: 6-Intended Use

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None

None

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MIL-D-8683A

Document Number Amend/supp Title Provisions Cited	Date Date	Subs) stem	Service	Class	Prep	FSC	Scope	Ref .	Rqmt	<b>V</b>	Def
MIL-D-9056B	30 APR 71	Launch/rec	USAF	ם	=	1670	g.	Gen	Gen	Gen	Gen
Deceleration Parachute Systems, Aircraft, General Requirements for No S/V Provisions	 ate Systems, Aircr.	aft. General Requ	uirements for								
MIL-D-9129B	08 NOV 67	Config	Triservice	ت	98	5920	Gen	Gen	Gen	Gen	Gen
Discharger, Aircraft Electrostatic, General Specification for No S/V Provisions	 Electrostatic, Gene	eral Specification	. for								
MIL-D-19326E	15 JUN 71	Env cont	USAF/Navy	٦	AS	1660	Gen	None	Spec	Spec	Spec
Installation and Tests of Liquid 1-Scope: 2-Ref Documents; 3.5		Oxygen Systems in Aircraft, General Specification for .6. 3.6.9.3, and 3.11-Locate Lines Away From Lines Carrying Flammable Fluids; 4-Inspection; 6-Intended Use	craft, General S cate Lines Away	pecificate y From Li	on for ines Carr	ying Flan	ımable Fi	iids; 4-Ins	spection; (	5-Intende	d Use
MIL-D-21625E (!)	11 MAY 72	Propul/pwr	Navy	כ	AS	AS 1377	Gen	Gen	Cen	Gen	Gen

Deficiencies

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1-General Rqmts: 2-Ref Documents; 3.10.7.4-Infrared Radiation, 3.14.1.8(5)-Countermeasures Vulnerability, 3.14.1.9-Countermeasures; Demonstration Requirements for Helicopters 4-Inspection of Data; 6-Notes

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MIL-D-23222A

Design and Evaluation of Cartridges for Cartridge Actuated Devices

No S/V Provisions

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Decument Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	OA	Ĕ
MIL-D-23615A (4)	06 NOV 72	Crew sta*	Navy	ח	AS	1377	Gen	Gen	Gen	Gen	Gen
Design and Evaluation of Cartridge Actuated Devices No S/V Provisions	of Cartridge Act	tuated Devices									
MIL-D-25646	26 SEP 56	Avionies	USAF	ລ	Ξ	5826	Gen	Gen	Gen	Cen	કુ
Direction Finder Group AN/ARA-25. Installation of No S:V Provisions	p AN/ARA-25.1	Installation of									
MIL-D-27729A	25 JUN 63	Propul/pwr	USAF	ב	11	6340	Gen	Gen	Gen	Cer	Gen
De ng System. Flame-Smok No S/V Provisions	··· me-Smoke, Aircr	e. Aircraft and Aerospace Vehicles. General Performance of	Vehicles, Gene	ral Perfo	rmance	jo					
MIL-D-81514B (5)	25 MAY 72	Crew sta	Navy	5	AS	1680	None	None	None	None	None
Device, Restraint Harness Take-Up, Inertia-Locking, Powered-Retracting. General Specification for I-Scope: 2-Ref Documents: 3-Crash Loads: 4-Crash Loads Test; 6-Notes	ess Take-Up, Ine ents: 3-Crash Lo	rtia-Locking, Powe ads; 4-Crash Loads	red-Retracting Test; 6-Notes	. Genera	l Specifi	ication for					
MIL-D-81641	26 JUN 72	Avionics	Navy	Ω	AS	9610	Gen	Cen	Gen	Gen	Gen

. Also Armament

Display, Head Up, General Specification for No S/V Provisions

Document Number Amend supp Title Provisions Cited	Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rgmt	8	<u> </u>
MIL-D-83029A	23 APR 68	Pwr trains	USAF	n	11	1650	Gen	Gen	Gen	Cen	Cen
Drive Assembly, Constant Speed, General Specification for No S/V Provisions	 tant Speed, Gener	ral Specification	for								
MIL-E-5007D	15 OCT 73	Propul/pwr	Triservice	ລ	=	2840	Gen	Gen	Spec	Gen	Gen
Engine, Aixeraft, Turbojet and 1-Scope; 2-Ref Documents; 3.3	ojet ari. Turbofa tents: 3.3.6.7.2-0	Turbofan, General Specification for 1.6.7.2-Optimize Survival Capability of Engine: 4-Tests; 6-Intended Use	fication for Capability of E	ngine: 4-	Tests; 6-	Intended	Use				
MIL-E-5272C (2)	18 SEP 70	Flt cont*	USAF/Navy	'n	Ξ	6625	Gen	Gen	Gen	Gen	Gen
Environmental Testing. Aeronautical and Associated Equipment. General Specification for No S/V Provisions	g. Aeronautical ar	nd Associated Ec	juipment. Gene	ral Specif	ication f	for					
MIL-E-5400N	30 NOV 71	Crew sta**	Triservice	د.	AS	MISC	Cen	Cen	Gen	Gên	Gen
Electronic Equipment, Airborne, General Specification for No S/V Provisions	. Airbome, Gene	ral Specification	for								
MIL-E-5627B (2)	02 MAR 73	Crew sta***	Army/Navy	ב	AS	4210	Gen	Gen	Gen	Cen	Gen

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Extinguishers, Fire, Carbon Dioxide, Portable No S/V Provisions

Also Fluid pwr, Env cont, and Armament

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Also Pass/cargo

Deficiencies

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	<b>V</b>	Def
MIL-E-7080B (3)	29 APR 68	Env cont*	Triservice	n	AS	MISC	Gen	None	None	Gen	Gen
Electric Equipment, Aircraft, Selection and Installation of 1-Scope: 2-Ref Documents: 3.1.8.7.9-Shielding and Separa	ircraft, Selection ents: 3.1.8.7.9-S	election and Installation of .8.7.9-Shielding and Separation; 4-Inspection; 6-Intended Use	of aration; 4-Inspe	ction; 6-l	ntended	Use					
XIL-E-8189G	02 JUN 73	Armanicut	USAF/Navy	C	AS	MISC	Gen	Gen	Gen	Gen	Gen
Electronic Equipment, Missiles, No S'V Provisions		Boosters and Allied Vehicles, General Specification for	hicles, General !	Specificat	ion for						
MIL-E-8219A	23 NOV 54	Propul'ywr	USAF	Ü	70	2840	Gen	Gen	Gen	Gen	Cen
Engine, Ramjet, General Specifi No S/V Provisions	al Specification for	for									
MIL-E-8593(ASG)	03 SEP 54	Propul/pwr	USAE/Navy	5	AS	2840	Gen	Gen	Cen	Gen	Gen
Engine, Aircraft, Turboprop. General Specification for No S/V Provisions	oprop, General !	Specification for									
MIL-E-9426D (2)	16 JUL 71	Crew sta	Navy	כ	AS	1680	Gen	Gen	Gen	Gen	Gen
Escape System, Requirements No S/V Provisions		Conformance Demonstrations and Performance Tests	ations and Perfo	rmance T	ests						

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Electronic Equipment, Airborne Sonar, General Specification for

No S/V Provisions

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Class Prep FSC Scope	Ref	Ref Rymt QA Def	\$	ž
MIL-E-18927D (2)	01 FEB 71 Env cont	Env cont	Navy	n	AS	1660	U AS 1660 Gen Gen	Gen	Gen	Gen Gen Gen	eg G
Environmental Systems Pressurized Aircraft, General Requirements for No S/V Provisions	Pressurized Air	rcraft, General Rec	quirements for								
MIL-E-19400 (1)	20 JUN 57 Avionics	Avionics	Navy	n	AS	5845	U AS 5845 Gen	Gen	Gen	Gen	Sen

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Deficiencies

Spec Gen Gen Sen 1680 AS  $\supset$ Navy Electronic Modules, Aircraft, General Requirements for Propul/pwr 27 APR 60 No S/V Provisions MIL-E-22285 (1)

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Extinguishing System, Fire, Aircraft, High-Rate Discharge Type, Installation and Test of 1-Engine Spaces & Other Potential Fire Zones; 2-Ref Documents; 3-Requirements; 4-Inspection & Test; 5-Not Applicable; 6-Notes

Gen Gen 6115 AS Þ Navy Elec pwr 08 NOV 72 MIL-E-23001A (1)

Electric Generating System, Variable Speed Constant Frequency-Aircraft, General Specification for No S/V Provisions

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	<b>V</b> O	Def
MIL-E-25109	07 FEB 55	Propul/pwr	Navy	ם	AS	2810	Gen	Gen	Gen	Gen	Gen
Engine, Aircraft, Reciprocating, General Specification for No S/V Provisions	···	al Specification	for								
MIL-E-25366C	27 FEB 61	Armament	Triservice	n	11	1420	Gen	Gen	Spec	Spec	Sen
Electric and Electronic Equipment and System, Guided Missile, Installation of, General Specification for I-Scope; 2-Ref Documents; 3.4(F)-Vulnerability to Countermeasures; 4-Tests; 6-Definitions	Equipment and ents: 3.4(F)-Vull	System, Guided nerability to Cor	l Missile, Installa untermeasures; 4	tion of, ( -Tests; 6-	Seneral S	Specificati ons	ion for				
MIL-E-25499C	23 MAR 70	Elec pwr	Triservice	כ	=	MISC	Gen	Gen	Gen	Gen	Gen
Electrical System, Aircraft Design and Installation of, General Specification for $N\!\!\!\!\!\!\!\wedge S/V$ Provisions	raft Design and	Installation of, C	seneral Specifica	ition for							
MIL-E-38453A	02 DEC 71	Propul/pwr*	USAF	מ	11	MISC	Gen	Gen	Gen	Gen	Gen
Environmental Control, Protection, and Engine Bleed Air System, Aircraft, Missiles, General Specification for No S/V Provisions	. Protection, and	1 Engine Bleed A	vir System, Aircı	raft, Miss	iles, Gen	eral Speci	fication fo	<b>1</b> 0			
MIL-E-50796	12 JUN 73	Crew sta	USAF/Army	כ	MU	1377	Gen	Gen	Gen	Gen	Gen
Expanding Shielded Mild Detonating Cord Assembly No S/V Provisions	··· ild Detonating C	ord Assembly									

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MIL-F-7179E

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	φ <sub>0</sub>	Def
MIL-E-81512	18 DEC 68	Avionics	Triservice	ם	AS	AS 7440	Gen	Cen	Gen	Gen	Gen
 Encoder, Shaft Position to Digital, Contact Type, Altitude Reporting, General Specification for No S/V Provisions	 on to Digital, Con	ıtact Type, Altitu	de Reporting,	Generai S	pecificat	ion for					
MIL-F-5508B (1)	20 AUG 71	Fluid pwr	Triservice	Ω	71	1650	Gen	Gen	Gen	Cen	Gen
Fuses, Aircraft Automatic Quantity-Measuring, Hydraulic No S/V Provisions	 natic Quantity-Mo	easuring, Hydraul	. <u>c.</u>								
Amendment 1 25 FEB 60 Fittings, Tank, Power Plant Fluid, Removable General Specification for Specifica	27 MAY 59 25 FEB 60 Plant Fluid, Rem	Propul/pwr*	Triservice specification for	U C	11	1560	Gen Methode:	Gen	Spec	Gen	Gen
I TO HORSEINGHOM OF L		Cuillelles, J.J.D.	IIyulanın onığ	S TALL S		107 7 7 7	TATE CIT CASS		100		

Finishes and Coatings, Protection of Aerospace Structures and Parts, General Specification for No S/V Provisions  $\Box$ Flt cont 18 SEP 58 MIL-F-7190A (1)

Forgings, Steel, for Aircraît and Special Ordnance Applications No S/V Provisions

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								<b>_</b>	Deficiencies	v	
Document Nun. ber Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC .	Scope	Ref	Rqmt	<b>V</b> O	ja Č
MIL.F-7194A 05 MAR 63 Propul/pw	05 MAR 63  rgine Induction	Propul/pwr Air, Aircraft	USAF/Army	n	МО	2945	Gen	Gen	Gen	Gen	Gen
MIL-F-7872C 18 NOV 66 Propul/pwr Triservice U Fire and Overheat Warning Systems, Continuous, Aircraft Test and Installation of No S/V Provisions	18 NOV 66	Propul/pwr ontinuous, Aircr	Triservice aft Test and Inst	U allation c	AS	6340	Gen	Gen	Gen	Gen	Gen
MIL-F-8615C(ASG) 26 FEB 69 Fuel sys Fuel System Components, General Specification for No S/V Provisions	26 FEB 69  nts, General Spe	Fuel sys	Triservice	D	Ξ	2915	Gen	Gen	Gen	Gen	Gen
MIL-F-8785B(USAF) 07 AUG 69 interim Amendment 1 31 MAR 71 Flying Qualities of Piloted Airplanes No S/V Provisions	07 AUG 69 31 MAR 71 sted Airplanes	Config	USAF/Navy	D	Ξ	1506	Gen	Gen	Gen	Gen	Gen
MIL-F-8815C 29 SEP 72 Fluid pwr Triservice U AS 1650 Gen	29 SEP 72  nts, Fluid Pressu	Fluid pwr re, Hydraul'c Lir	Triservice ne, 15 Micron Ab	U solute and	AS 15 Micro	1650 on Absolut	Gen te, Type II	Gen Systems	General S	ren ipecificat	Gen ion for

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MIL-F-18802A (1)

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rgmt	OA.	) Set
MIL-F-9499C (1)	09 MAR 66 Flt cont	Flt cont	USAF/Army		11	U 11 6610 Gen	Gen	Gen	Gen	Spec	Cen
Flight Control Systems-Design, Installation and Test of, Piloted Aircraft, General Specification for I-Classification: 2-Ref Documents; 3.2.5.1-System Separation, 3.2.5.2-Vulnerability Protection: 4-Test: 6.1-Intended Use	s-Design, Installa Documents; 3.2	ttion and Test of .5.1-System Sep	f. Piloted Aircrafaration, 3.2.5.2-	t, Genera Vulnerab	al Specifi ility Pro	ication for tection: 4-	r -Test: 6.1-	Intended	Use		
MIL-F-17874B	20 AUG 65	65 Fuel sys	Navy	n	AS	U AS 3460 Gen	Gen	None	None Spec	Gen	Gen
Fuel Systems, Aircraft, Installation and Test of 1-Functional Operations. Installation and Test: 2-Ref Documents: 3.3.3-Tanks Per MIL-T-6396 and MIL-T-5578. MIL-F-18802 Not Listed in	finstallation and first fination in the first fi	d Test of and Test: 2-Ref	Documents: 3.3	.3-Tanks	Per MI	L-T-6396	and MIL-	[-5578, M	IIL-F-188(	2. Not I	isted in

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Deficiencies

Requirements: 4-Test and Inspection: 6-Intended Use Fuel S

Gen 8010 AS  $\supset$ Triservice Finishes, Organic, Weapons System. Application and Control of No S/V Provisions Structure 23 APR 71 MIL-F-18264D(1)

Navy Fit cont\* 31 MAR 55 MIL-F-18372(AER)

1.2-Classification; 2-Ref Documents; 3.1.1.6-Vulnerability-Spacing of Control System Shielding by Heavy Structural Members; 4-Not Spec Spec Sen 1500 Flight Control Systems, Design, Installation and Test of Aircraft General Specification AS Applicable: 6-Not Applicable

Fuel and Oil Lines. Aircraft, Installation of

1-Scope; 2-Ref Documents; 3.5.5-Route Lines for Protection by Aircraft Structure

									Deliciencies	n	
Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Remit	<b>V</b> O	Def
MIL-F-21297A	07 MAY 63	Elec pwr	Army/Navy	Þ	AS	6125	Ç en	5	Ę	5	5
Frequency Changers, Electrical, Aircraft, General Specification for No S/V Provisions	··· :lectrical, Aircraf	ft, General Speci	fication for								
MIL-F-23447	14 SEP 62	Propul/pwr	Navy	n	AS	6340	Gen	Gen	Sen	Gen	Şen
Fire Warning Systems, Aircraft Radiation Sensing Type, Test and Installation of No S.V Provisions	··· · Aircraft Radiatio	on Sensing Type	, Test and Instal	lation of							
MIL-F-25682A (1)	24 JUN 70	Fluid pwr	USAF/Army	n	11	1650	Sea	Gen	Gen	Sen Sen	Gen
Filter and Filter Element, Fluid Pressure, Hydraulic, Absolute, 25 Micron No S/V Provisions	··· nt, Fluid Pressur	re, Hydraulic, Ab	osolute, 25 Micro	e.							
MIL-F-26685B	28 JUN 68	Avionics	USAF	Ω	Ξ	9999	Gen	Gen	Sea	Gen	3

Fitting, Tetrafluoroethylene Hose, High Temperature, Medium Pressure, General Requirements for No S/V Provisions

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MIL-F-27272A (1)

Flight Director System, Design and Installation of No S/V Provisions

ine Routing Min is Army	Fuel System, Aircraft, General Specification for 1-Subsystems; 2-Ref Documents; 3.5.3.7.1.1-Fuel Line Routing Min 3.7.1.9.3-Self-Sealing Tanks; 4-Testing; 6.2-Definitions MIL-F-43539(GL, 23 AUG 67 Armor mtls Army		Deficiencies Class Prep FSC Scope Ref Ramt OA Def
Ату		MIL-F-38363B 13 OCT 71 Fuel sys Amny/Navy U 11 2915 Gen Gen None Gen Gen Gen Gen Huel System, Aircraft, General Specification for 1-Subsystems; 2-Ref Documents; 3.5.3.7.1.1-Fuel Line Routing Minimize Combat Damage, 3.5.3.7.1.5-Self-Sealing Fuel Line Covers, 3.7.1.9.3-Self-Sealing Fuel Line Covers,	U 11 2915 Gen Gen None imize Combat Damage, 3.5.3.7.1.5-Self-Sealing Fu
_	ig; 6.2-Definition Armor mtls	Anny/Navy U 11	Army/Navy U 11
Subsystems; 2-Ref Documents; 3.5.3.7.1.1-Fuel 3.7.1.9.3-Self-Sealing Tanks; 4-Testing; 6.2-Definit IL-F-43539(GL, 23 AUG 67 Armor mtls		MIL-F-38363B	Amend/supp Fittle Provisions Cited MIL-F-38363B

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None	e Test;	Sen	-Tests;
None	Resistanc	Spec Spec	Device; 4
None	5-Ballistic		Internal
None	ru 4.6.1.	Gen	ternal or
None	4.6.1 Th	Cen	n by Ex
8305	esistance;	4930	Protectio
U GL 8305	Illistic R	\$	-Gunfire
n	3.6-B	n	3.5.1
Amy	-Ref Documents;	USAF	ements ior unfire Protection,
Armor mtls	Fragments; 2	Fuel sys	Senoral Requir nts: 3.2(G)-G
23 AUG 67 09 AUG 72	ation by Ammo	30 JUL 70	Bulk, Airborne, C : 2-Ref Docume ection
MIL-F-43539(GL, Amendment 1	Felt. Ballistic, Nylon  1-Resistant to Penetration by Ammo Fragments; 2-Ref Documents; 3.6-Ballistic Resistance; 4.6.1 Thru 4.6.1.5-Ballistic Resistance Test; 5.1-Intended Use	MIL-F-83274	Fuel Delivery System, Bulk, Airborne, Genzral Requirements for I-Bulk Fuel Delivery System, Bulk, Airborne, Genzral Requirements for Internal Device; 4-Tests; 6-2(B)-Gunfire Protection

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31 DEC 70	:
MIL-F-83300	

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Flying Qual:ties of Piloted V/STOL Aircraft No S/V Provisions

MIL-G-1366E 02 JUN 70 Avionics USAF/Navy

Glass, Window, Aerial Photographic No S/V Provisions

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	OA.	Ğ
MIL-G-5485C	23 APR 71	Crew sta*	Triservice	n	AS	9340	None	Gen	None	Spec	None
Glass, Laminated, Flat, Bullet-Resistant 1-For Aircraft Windshields and Similar Applications; 2 6.6-Suggested Ballistic Rqmts, 6.6.1-Test Information	t, Bullet-Resistan hields and Simils stic Rqmts, 6.6.1-	esistant Similar Applications; 2-Ref Documents; 3.3.1-Ballistic Resistance Characteristics; 4-Test; 6.1-Intended Use, , 6.6.1-Test Information	2-Ref Docume n	nts; 3.3.1	-Ballistio	: Resistar	ice Charac	teristics;	4-Test; 6	.1-Intend	
MIL-G-6162B	15 FEB 72	Elec pwr	Triservice	n	AS	6115	Gen	Gen	Gen	Gen	eg .
Generator, 30 Volt, Direct Current, Aircraft Engine Driven, Caleral Specification for No S/V Provisions	··· direct Current, Aü	craft Engine Dri	ven, Cueral Sp	ecificatio	n for						
MIL-G-6641B(ASG)	03 MAY 68	Pwr trains	USAF/Navy	n	==	1560	Gen	Cen	Gen	Gen	Gen
Gearbox, Aircraft Accessory Drive, General Specification for No S/V Provisions	essory Drive, Ger	neral Specificatio	n for								
MIL-G-19053C(1)	18 NOV 71	Env cont	Navy	n	AS	1660	Gen	Gen	Gen	Gen	Gen
Gage, Aircraft, Capacitance, Liquid Oxygen Converter, General Specification for No S/V Provisions	··· itance, Liquid Ox	ygen Converter,	General Specifi	ication for							
MIL-G-21075 (1)	12 MAR 58	Elec pwr	Navy	n	AS	6115	Gen	Ş	Sen	Gen	Ę,

Generator System, Single Generator, Constant Frequency, Alternating Current, Aircraft, General Specification for No S/V Provisions

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MIL-G-25871A (1)

Glass, Laminated, Aircraft Glazing No S/V Provisions

	Subs	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Deficiencies Rqmt	<b>&amp;</b> 8	Ďeť.
Date											
24 AUG 71	}	Elec pwr	USAF/Navy	n	AS	6115	Gen	Gen	Gen	ર્ફ	1
Generator System, Single Generator, Constant Frequency Alternating Current, Aircraft, Class C, General Specification for No S/V Provisions	onst	ant Frequer	ncy Alternating (	Current, ,	Aircraft,	Class C, (	General Sp	ecificatio	n for		
17 NOV 59 Pro	Pro	Propul/pwr	USAF	n	Ξ	1375	Sen	Cen	Cen	Gen	
Generator, Gas, Solid Propellant. Aeronautical. General Specification for No S/V Provisions	nauti	cal, Genera	ll Specification f	.00							
16 FEB 71 Cre	Cre	Crew sta*	Triservice	ກ	=	9340	Sen	Gen	Gen	Sen	
Glass, Monolithic, Aircraft Glazing No S/V Provisions											
17 JUN 70 FI	Ē	Fluid pwr	USAF	ב	=	6685	Gen	Gen	Gen	Cen	
Gage, Pressure, Dial Indicating, Pheumatic No S/V Provisions	atic										

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Occument Number	Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Ref Rymt QA	8	<b>Pe</b>
	Date										
Provisions Cited											

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6680 Gen Gen Gen		
Cen		
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כ	ication for	
Triservice	 uty, Capacitor Type Transistorized, General Specification for	
Fuel sys	e Transistorize	
26 SEP 72	 Capacitor Typ	
MIL-G-26988C (1)	Gage. Liquid Quantity No S/V Provisions	

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MIL-G-38478 (1)	18 DEC 70 Config	Config	USAF	n	Ξ	U 11 6610 Gen Gen Gen	સુ	Gen	Cen	Čen
General Requirements No S/V Provisions	s for Angle of Attack Based Systems	tack Based Syste	sms							
MIL-G-46857A	28 JUL 71 Fit cont	Flt cont	Triservice U MI 1420 Gen Gen Gen Gen	n	M	1420	Ş	Cen	Gen	Gen
Gyroscope, Remote Control (Command) Guidance Systems, General Specification for	Control (Comman	d) Guidance Sy:	stems, General S <sub>l</sub>	pecificati	on for					

No S/V Provisions										
MIL-H-5364D	09 MAR 72 Crew sta	Crew sta	Triservice U 11 1680 None None	ם	Ξ	1680	None	None	None	
Amendment 1	29 JUN 73									
Harness, Shoulder Safety, General Specification for	afety, General Spec	cification for								

None

None

1-Scope; 2-Ref Documents; 3-Preproduction Testing; 4-Tests; 5-Delivery; 6-Notes

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None
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Triservice
Fluid pwr
18 JAN 72
MIL-H-5440F

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Hydraulic Systems, Aircraft Types I and II, Design, Installation, and Data Requirements for 1-1,500 and 3,000 psi Systems; 2-Ref Documents; 3.2-Combat Damage, 3.6.7-Subsystem Isolation, 3.8-A-Duplicate Sys Separation, 3.11.22.1-Reservoir Protection, 3.11.29-4-Sys Separation; 4-Test

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	<b>Service</b>	Class	Prep	FSC	Scope	Ref	<b>X</b>	<b>v</b> 0	Def
MIL-H-7061A	89 NA 90	Fuel sys	Triservice	n	82	4720	None	Cen	None	None	None
Hose, Rubber, Aircraft, Self-Sealing, Aromatic Fuel 1-One Grade Self-Sealing Hose; 2-Ref Documents; 3	r, Self-Sealing, A	aling, Aromatic Fuel 2-Ref Documents: 3.5.3-Gunfire Rqmts: 4.6.4-Gunfire Test .50 Ball M-2 Ammunition: 6-Intended Use	3-Gunfire Rqmt	s: 4.6.4-G	unfire T	est ,50 Ba	II M-2 Am	munition	ı: 6-Intend	led Use	
MIL-H-7138D (1)	19 JAN 67	Env cont	Triservice	n	AS	1660	Gen	Gen	Gen	Cen	Gen
Hose Assembly, Oxygen Breathing Connector to Regulator No S/V Provisions	··· en Breathing Cor	nnector to Regul	ator								
MIL-H-8501A (1) Notice 1	03 APR 62 20 JUN 72	Config	Army/Navy	n	AV	1520	સુ	Gen	Gen	Gen	Çen
Helicoptor Flying and Ground Handling Qualities, General Requirements for No S/V Provisions	Ground Handlin	ng Qualities, Gen	eral Requiremes	ats for							
MIL-H-8775C	. 08 JAN 64	Fluid pwr	Triservice	n	AS	1650	Gen	Sen	Gen	Sen	Sen
Hydraulic System Components, Aircraft and Missiles, General Specification for No S/V Provisions	ponents, Aircra	ft and Missiles, (	General Specific	ation for							
MIL-H-8788B	12 JUL 68	Fluid pwr	Triservice	Ω	€ 80	4720	Gen	Gen	Gen	Cen	Gen
Hose, Hydraulic and Pneumatic, High Pressure No S/V Provisions	··· neumatic. High l	Pressure									

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MIL-H-8790C (1)	24 JUN 68	Fluid pwr	Triservice	n	82	4720	Gen	Gen	Gen	Cen	g
Hose Assembly, Rubber, Hydraulic, High Fressure (3000 psi) No S/V Provisions	er, Hydraulic, Hi	gh Fressure (300	10 psi)								
MIL-H-8794D	04 FE2 71	Fuel sys*	Triservice	C	82	4720	Gan	Cen	Gen	Gen	Gen
Hose, Rubber, Hydraulic, Fuel and Oil Rezistant No S/V Provisions	ilic, Fuel and Oil	Rezistant									
MIL-H-8795B (1)	24 JUN 68	Fuel sys*	Triservice	n	8	4720	Gen	Gen	Gen	Gen	Sen
Hose Assemblies, Rubber, Hydraulic, Fuel and Oil No S/V Provisions	··· ber, Hydraulic, F	uel and Oil									
MIL-H-8796C	17 MAY 65	Env cont	Triservice	n	AS	1660	Cen	Sen	Gen	Cen	Gen
Hose, Air Duct, Flexible, Aircraft No S/V Provisions	··· ble, Aircraft										
MIL-H-8890	01 NOV 61	Fluid pwr	USAF/Navy	n	AS	1650	કુ	Gen	Ger	5	Ş
Hydraulic Components, Type III, (-65° to +450°F), General Specification for No S/V Provisions	 ts, Type III, (-65°	, to +450°F), Ge	eneral Specificat	ion for							

Also Fluid pwr and Armarrent

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Decument Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	80	) Bei
MIL-H-8891	01 NOV 61	Fluid pwr	USAF/Navy	n	AS	1650	Gen	Cen	Cen	Spec	Gen
Hydraulic Systems, Manned Flight Vehicles. Type III Design, Installation, and Data Requirements for 1-2 (lassification: 2-Ref Documents: 3.9.2-Separation of Dual Lines, 3.11.21.3-Reservoir Location Protection From Combat Damage, 3.11.28.4-System Protection From Damage: 5.1-Intended Use	nned Fight Veh Ref Documents: crection From I	ht Vehicles. Type III Design, Insiments: 3.9.2-Separation of Du From Damage: 5.1-Intended Use	Design, Installati ion of Dual L ended Use	ion, and E	ata Req	uirements eservoir	for Location	Protection	From (	Combat I	Jamage,
MIL-H-18288	02 DEC 54	Fuel sys	Navy	D	AS	4720	None	Gen	None	None	None
Hose and Assemblies, Aircraft, Self-Sealing, Aromatic Fuel 1-One Grade Only; 2-Ref Documents; 3.4.3-Gunfire Rqmts; 4.5.4-Gunfire Test With .50 Ball M-2 Ammunition; 6.1-Intended Use	Aircraft, Self-Sez lef Documents:	ıling, Aromatic 3.4.3-Gunfire R	Fuel gmts: 4.5.4-Gur	afire Test	With .50	Ball M-2	Ammunit	ion: 6.1-Ir	itended U	<u>8</u>	
MIL-H-18325B	04 MAY 59	Env cont	Navy	ם	AS	1660	Gen	Gen	Gen	Gen	Ę.
Heating and Ventilating Systems, Aircraft No S/V Provisions	 g Systems, Aircı	raft									
MIL-H-18971 (2)	18 APR 57	Crew sta	Navy	ם	AS	1680	Se	Cen	Gen	Gen	Ş
Harness, Pilot Shoulder Safety, Standard Y Type No S.V Provisions	r Safety, Standa	rd Y Type									
MIL-H-22343A	IG MAN 68	Env cont	Navy	n	AS	1660	Cen	Cen	<b>Gen</b>	કુ	Gen
Hose Assemblies, Metal. Liquió No S/V Provisions	i. Liquid Orrygen	g.									

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Hose Assembly, Tetrafluoroethylene, Oxygen

No S/V Provisions

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Class Prep		FSC Scope	Ref	Rqmt	<b>V</b> O	) Def
MIL-H-25475B	29 APR 71	Fluid pwr	Triservice	n	11	11 1410	Gen	Gen	Gen	Gen	Gen
Hydraulic System, Missile, Design, Installation Tests and Date Requirements, General Requirements for No S/V Provisions	issile, Design, Inst	tallation Tests an	ıd Date Require!	ments, Ge	eneral R	equiremen	ts for				
MIL-H-25579C	16 AUG 71 Fuel sys	Fuel sys	Triservice	Ü	=	11 4720	Gen	Gen	Cen	Ce:	Gen
Hose Assembly, Tetrafluoroethylene, High Temperature Medium Pressure, General Requirements for No S/V Provisions	··· afluoroethylene, l	High Temperatur	re Medium Press	ure, Gene	ral Requ	uircments	for				
MIL-H-26626A (2)	15 MAR 71	Env cont	Triservice	ם ·	7.1	1660	Gen	Gen	Gen	Gen	Gen

MIL-H-38360A (2)	2) 08 JAN 73	Fluid pwr	Triservice	n	11	4720	Gen	Gen	Sen	Sen
:	:									
Hose Assembly, Tetra	<b>Fetrafluoroethylene</b>	., High Temperature	, High Pressure,	Hydraul	ic and I	neumatic				

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Hose Assembly, Te No S/V Provisions

None None None None None 8415 GL  $\supset$ Army Crew sta Helmet, Flying, Protective (Ballistic and Crash) 18 FEB 66 MIL-H-43388(GL)

1-Crash and Ballistic Protective Helmet; 2-Ref Documents; 3.5.11-Ballistic Limit V50 Not Less Than 1,000 fps: 4.3.3.5, 4.4.7, 4.4.7.1, and 4.4.7.2-Ballistic Resistance Testing; 6.1-Intended Use D

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	OA	Def.
MIL-H-81581/1 (1)	21 MAR 73	Env cont	Navy	n	AS	1660	Gen	Gen	Cen	Gen	Gen
Hose Assemblies, Breathing Oxygen and Air, General Specification for No S/V Provisions	···athing Oxygen an	d Air, General Sp	ecification for								
MIL-H-83298	17 MAR 71	Fluid pwr	USAF	n	=	4720	Gen	Gen	Sen	Gen	Gen
Hose, Tetrafluoroethylene, High Temperature, High Pressure (3000 psi), Hydraulic and Pneumatic No S/V Provisions	··· ylene, High Temp	erature, High Pre	ssure (3000 psi	), Hydrau	lic and	Pneumatic	•				
MIL-I-5014F (1)	28 MAR 72	Launch/rec	Triservice	ח	20	2620	Gen	Gen	Cen	Gen	Gen
Inner Tube, Pneumatic Tire, Aircraft No S/V Provisions	ic Tire, Aircraft										
MIL-1-5072A	14 APR 61	Crew sta	Navy	Ω	AS	0199	Gen	Gen	Gen	Gen	કુ
Instrument Systems, Pitot-Static Tube Operated, Installation of No S/V Provisions	Pitot-Static Tube	Operated, Install	ation of								
MIL-I-5099B	13 DEC 68	Env cont	Triservice	Ω	SA	6685	Gen	Gen	Gen	Gen	Ę.

Indicator, Cabin Air Pressure, 1-7/8 Inch Dial, Type MA-1 No S/V Provisions

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	<b>O</b>	Def
MIL-1-5949F(USAF)	27 AUG 68	Crew sta	USAF	n	=	6610	Gen	Gen	Gen	Cen	§
Instruments, Flight and Engine. Aircraft, Functional Tests and Tolerances of No S/V Provisions	···d Engine, Aircral	ft, Functional Tes	ts and Toleran	Jo səɔ							
MIL-I-5997B	10 MAY 63	Crew sta	USAF	n	11	6610	Gen	Gen	Gen	Gen	Gen
Instrument and Instrument Panels, Aircraft, Installation of No S/V Provisions	 nent Panels, Air	craft, Installation	of								
MIL-I-6115A (3)	31 DEC 60	Crew sta*	Army/Navy	n	AS	6610	Gen	Gen	Gen	Gen	Gen
Instrument Systems, Pitot Tub No S/V Provisions	··· tot Tube and Fl	ve and Flush Static Port Operated, Installation of	oerated, Install	ation of							
MIL-I-7028 (1)	08 NOV 51	Crew sta	Navy	n	AS	0199	Gen	Cen	Gen	Gen	Gen
Instrument and Instrument Boards, Aircraft, Installation of No S/V Provisions	 nent Boards, Air	craft, Installation	of								
MIL-I-7032F(ASG) (1) 14 OCT 70	14 OCT 70	Elec pwr	Triservice	ם	AS	6125	Gen	Gen	Gen	Sen	Gen
Inverter, Aircraft, General Specification for No S/V Provisions	ral Specification	for	•		•						

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rgmt	ÓΨ	De i,
MIL-1-7057C (1) 25 AUG 72 Avionics Indicator, Syncro, Aircraft, General Specification for No S/V Provisions	25 AUG 72  Sircraft, General Sp	Avionics ecification for	Triservice	n	=	6620	Gen	Gen	Gen	Gen	Gen
MIL-1-7062B 01 JUN 67 Flt cont Triservice U 11 indicator, Position, Control Surfaces, 28 Volt Direct Current, General Specification for No S/V Provisions	01 JUN 67  Control Surfaces, 2	Flt cont 28 Volt Direct Cur	Triservice .rrent, General S	U Specificati	11 ion for	6610	Gen	Gen	Gen	Gen	Gen
MIL-I-7064A 04 AUG 67	04 AUG 67  Elevator Trim Tab	Flt cont	Triservice	Ö	11	0199	Gen	Gen	Gen	Gen	Gen
MIL-1-7069A	03 MAY 62	Crew sta	USAF	:	=	9620	Gen	Gen	Gen	Gen	Gen

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Indicator, Temperature, Electrical-Resistance, Hermetically Sealed, General Specification for No S/V Provisions

Ir dicator, Tachometer, Electric, Percent Speed Type, Aircraft, General Specification for No S/V Provisions

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MIL-1-7070B(1)

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MIL-1-7071B	25 FEB 72	Crew sta	Triservice	n	8	6685	Gen	Gen	Gen	Gen	Gen
Indicator, Temperature, Thermocouple Hermetically Sealed, General Specification for No S/V Provisions	··· re, Thermocouple	e Hermetically S	ealed, General S	pecificatio	on for						
MIL-1-7171C	15 JUN 65	Env cont	Triservice	ב	WP	1560	Gen	Gen	Gen	Gen	Sen Gen
Insulation Blanket, Thermal-Acoustical No S/V Provisions	···· ermal-Acoustical										
MIL-1-7566B (1)	27 APR 62	Fuel sys	USAF/Navy	n	11	0899	Gen	Gen	Gen	Gen	Gen
Indicator System, Fuel Flowmeter, General Specification for No S/V Provisions	···   Flowmeter, Ger	ieral Specificatio	n for								
MIL-I-8670 (1) Notice 1	15 OCT 57	Env cont*	Navy	Ŋ	AS	1005	Gen	Gen	Gen	Gen	Gen
Installation of Fixed Guns and No S/V Provisions	uns and Associat	Associated Equipment In Naval Aircraft	n Naval Aircraft								
MIL-1-8671B (4)	30 DEC 71	Env cont*	Navy	Ω	AS	MISC	Gen	Gen	Gen	Gen	Gen
Installation of Droppable Stores and Associated Release Systems No S/V Provisions	iii	sociated Release	Systems								

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Ref Rqmt	Gen		None	4-Test Pro
Ref	Gen		None	L-I-8675;
Scope	Gen		Gen	e With MI
FSC	U AS 1370	on for	AS 1270	ccordance
Prep	AS	ecificati	AS	sary in A
Class	n	General Sp	n	or as Neces
Service	Navy	t in Aircraft,	Navy	·ms •Install Arm
Subsystem	Config*	chnic Equipmen	Armament	de Weapons Syste Documents; 3.19
Date Date	18 APR 69	··· of Aircraft Pyrote	31 MAY 55	of Aircraft Flexib stallation: 2-Ref
Document Number Amend/supp Title Provisions Cited	MIL-I-8672B	Installation and Test of Aircraft Pyrotechnic Equipment in Aircraft, General Specification for No S/V Provisions	MIL-1-8673	Notice 1 In MAT 04 Installation and Test of Aircraft Flexible Weapons Systems Installation and Test of Aircraft Flexible Weapons Systems I-Requirements for Installation; 2-Ref Documents; 3.19-Install Armor as Necessary in Accordance With MIL-I-8675; 4-Test Procedures; 6-Notes

None None None None 9340 AS Navy Armament\*\* 31 OCT 53 Listed As Not Applicable MIL-1-8675

1.1-Armor & Bullet Resistant Glass; 2-Ref Documents; 3.1-Material, 3.2-Design & Construction, 3.5-Protection for Personnel, 3.6-Installation; 14 JAN 66 Installation, Aircraft Armor 4-Gunfire Tests

None None Gen MISC AS Army/Navy Env cont\* 25 APR 55 06 FEB 62 MIL-I-8677 (1) Notice 1

1-Minimum Requirements for Installation of Armament Control System; 2-Ref Documents; 3.4.1-Armor Per MIL-I-8675; 4-Test and Installation of Armament Control Systems and Associated Equipment In Naval Aircraft Inspection: 6-Notes

Sen Gen Gen MISC AS  $\Box$ Triservice Avionics\* 01 MAY 70 MIL-I-8700A

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Installation and Test of Electronic Equipment In Aircraft, General Specification for No S/V Provisions

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Ramt	Ø	Ž
MIL-I-8776B(USAF)	07 MAY 73	Propul/pwr	USAF	n	=	2995	<b>.</b>	Ş	Se	ş	કુ
insulation Blanket, Thermal, Aerospace No S/V Provisions	··· ermal, Aerospace	<b>d</b> J									
MIL-1-23659C	31 AUG 72	Armament	Triservice	n	AS	1377	Sen	Gen	Cen	<b>5</b>	Gen
Initiator, Electric, Design and Evaluation of No S/V Provisions	gn and Evaluatic	n of									
MIL-I-25437A (1)	27 AUG 68	Fluid pwr	USAF	Ŋ	Ξ	9885	Gen	Gen	Cen	Gen	Şe
Indicator, Aircraft, Pressure, No S/V Provisions	ssure, Volume, V	 Volume, Voltage Ratio Type, General Specification for	e, General Speci	ification	for						
MIL-1-25645D (1)	16 JAN 73	Env cont	USAF	D	=======================================	0899	Sen Sen	Gen	Gen	Gen	Gen
Indicator, Liquid Oxygen Quantity, Capacitance Type, General Specification for No S/V Provisions	en Quantity, Ca	pacitance Type, G	eneral Specifica	tion for							
MIJI-27273A (3)	12 MAR 70 	Elec pwr	Triservice	n	=	6130	Gen	Gen	Gen	Gen	Ş

Inverter, Power, Static, General Specification for No S/V Provisions

## JTCG/AS-74-D-003

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MIL-J-6193B

Joints, Universal, Plain, Light and Heavy Duty

No S/V Provisions

3.4.8.2-Installation of Fluid Lines, 3.4.11-Vulnerability

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	6A	De C
MIL-1-28791	10 JAN 73	Avionics	Triservice	n	EC	5865	Gen	Gen	Gen	Gen	Gen
Isolator, Radio Frequency. General Specification for No S/V Provisions	ency, General Sp	ecification for									
MIL-I-38038A	12 JAN 72	Crew sta	USAF	U	==	66GP	Gen	Cen	Gen	Cen	Gen
Instrument Lighting, Electroluminescent, General Specification for No S/V Provisions	· · · Electroluminesce	nt. General Spec	ification for								
MIL-1-81400	01 SEP 66	Crew sta	Army/Navy	n	AS	6610	Gen	Cen	Gen	Gen	Gen
Instrument, Aircraft, General Specification for No S/V Provisions	General Specifica	ation for									
MIL-1-83294	05 APR 71	Propul/pwr	USAF	n	=	2840	None	None	None	None	None
Installation Requirement, Aircraft Propulsion Systems, General Specification for I-Vulnerability: 2-Ref Documents; 3.4.4-Location Drain Lines Considering 3.4.8.2. Installation of Fluid Lines 3.4.1. Vulnerability	nent, Aircraft Pro lef Documents;	oft Propulsion Systems, General Specification for nents; 3.4.4-Location Drain Lines Considering 3.4.11.Vulnerability	General Specifi Drain Lines	cation for Consider	ing Ba	ttle Dar	Battle Damage, 3.4.6.5-Exhaust Infrared	.6.5-Exha	ust Infra	red Sup	Suppressor,

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MIL-L-6484C (2)

Light, Cockpit Utility. Aircraft General Specification for No S/V Provisions

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27 AUG 70 Crew sta\*

MIL-L-6503G(1)

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class .	Prep	FSC	Scope	Ref	Rqmt	<b>V</b>	ž
M.L.J-83389	17 NOV 72	Crew sta	USAF	n	=	1680	eg G	Gen	S.	5	Gen
Jettison System, Emergency, Aircraft Canopy, General Specification for No S/V Provisions	ency, Aircraft (	Canopy, General	Specification for	5							
MIL-L-5057E(1)	12 JUN 72	Crew sta	Triservice	n	AS	6220	Gen	Gen	Gen	Gen	gen Sen
Light, Instrument, Individual, General Specification for No S/V Provisions	··· ividual, General	Specification for	_								
MIL-L-5667B(ASG)	04 FEB 64	Crew sta	USAF/Navy	ח	=	6220	Cen	Gen	Cen	Sen 3	g
Lighting Equipment, Aircraft Inst No S/V Provisions	··· ircraft Instrume	trument Panel, General Specification for Installation of	I Specification	for Install	ation of						

Lighting Equipment, Aircraft, General Specification for Installativa of No S/V Provisions

Also Pass/cargo

## JTCG/AS-74-D-003

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Excument Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	<b>OA</b>	De C
MIL-L-6730C	14 MAY 71	Cunfig	USAF/Navy	Ω	AS	6220	Gen	Gen	Gen	Sen	Cen
Lighting Equipment, Exterior, I No S/V Provisions	··· Exterior, Installat	installation of Aircraft (General Specification)	General Specifi	cation)							
MIL-L-8552C (2)	10 DEC 68	Launch/rec	Triservice	೨	==	1620	Gen	Gen	Gen	Se	Gen
Landing Gear, Aircraft Shock Absorber (Air-Oil Type)	 Shock Absorber	r (Air-Oil Type)									
MIL-L11992B	18 NOV 70	Armament	Triservice	Ω	M	1440	Gen	Cen	Cen	Gen	Cen
Launcher for Guided Missiles, Ground and Airborne, General Specification for No S/V Provisions	Missiles, Ground	and Airborne, G	eneral Specifica	tion for							
MIL-L-22769A	15 JAN 62	Armament	Navy	Ω	AS	MISC	Gen	Gen	Gen	Gen	Gen
Launcher, Weapons, Airborne and Associated Equipment, General Specification for No S/V Provisions	 Lirborne and Asso	ociated Equipme	nt, General Spe	cification	for						
MIL-L-25467C(1)	14 MAR 73	Crew sta	Triservice	n	AS	6220	Cen	Gen	Gen	Gen	Gen

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Lighting, Integral. Aircraft Instrument, General Specification for No S/V Provisions

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	<b>V</b> O	ğ
MIL-L-27160C	03 MAR 72	Crew sta	USAF	Ω	11	9620	Gen	Cen	Gen	Gen	Gen
Lighting, Instrument, Integral, No S/V Provisions		White, General Specification for	ation for								
MIL-L-50794	22 JAN 73	Crew sta	USAF/Army	n	MU	1377	Gen	Gen	Gen	Gen	ઉજ્ઞ
 Linear Shaped Charge Assembly No S/V Provisions	e Assembly										
MIL-M-7969C	25 MAY 65	Fluid pwr*	USAF/Navy	D	AS	6105	Gen	Cen	Gen	Gen	Cen
Motor, Alternating Current, 400-Cycle, 115/200-Volt System, Aircraft, General Specification for No S/V Provisions	···· urrent, 400-Cycle	, 115/200-Volt S	System, Aircraft,	, General	Specific	ation for					
MIL-M-7997B	15 OCT 73	Fluid pwr	Triservice	n	AS	1650	Gen	Gen	Gen	Cen	Cen
Motors, Aircraft Hydraulic. Constant Displacement General Specification for No S/V Provisions	· · · Iraulic. Constant [	Displacement Ge	neral Specificati	on for							

Missile, Guided, Design and Construction, General Specification for 1-Classification; 2-Ref Documents; 3.1.4-Vulnerability to Countermeasures; 4-Inspection and Tests; 6.1-Intended Use

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	<b>V</b>	Ďě.
MIL-N+8609B	59 JUL 65	Fluid pwr*	USAF/Navy	ם	AS	6105	Gen	Gen	Gen	Gen	Gen
Motor, Direct Current, 28 Volt System, Aircraft, General Specification for No S/V Provisions	. 28 Volt System	ı, Aircraft. Gene	ral Specification	for							
MIL-M-8910A (2)	19 APR 72	Config	Navy	n	AS	TMSS	Gen	Cen	Gen	Cen	Gen
Manuals, Technical, Illustrated No S/V Provisions		Parts Breakdown Preparation of	ration of								
MIL-M-25047C (1)	12 NOV 68	Structure	USAE/Navy	כ	Π	1500	Gen	Gen	Gen	Cen	Gen
Markings and Exterior Finish Colors for Airplanes, Airplane Parts and Missiles No S/V Provisions	Finish Colors fo	r Airplanes, Air	olane Parts and !	Missiles							
MIL-M-38780A (1)	04 APR 73	Config	USAF	ם	16	TMSS	Gen	Gen	Gen	Gen	Gen
Manual, Technical, Nondestructive Inspection No S/V Provisions	··· ndestructive Insp	ection.									
MIL-M-38784 (1)	17 SEP 73	Config	Triservice	ם	91	TMSS	Cen	Gen	Gen	Gen	Gen
Manual, Technical, General Requirements for Preparation of No S/V Provisions	··· neral Requireme	nts for Preparati	on of								

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Document Number	Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	Q A	ڄ
Amend/supp	Date										
Title							٠				
Provisions Cited											

MIL-M-38799(USAF) 15 AUG 71 Config	15 AUG 71	Config	USAF	n	15	U 15 TMSS Gen	કુ	Cen	Sen	Gen Gen Gen	Gen
Manuals, Technical, Schematic No S/V Provisions	··· ematic Block E	Block Diagrams (SBD) Maintenance Dependency Charts (MDC)	intenance Dep	endency (	Charts (	MDC)					
MIL-M-38800 (1)	01 APR 72 Config	Config	USAF	U 16	16	S TMSS G	કુ	Gen	Gen	Gen Gen	Cen

Manual, Technical, Organizational Maintenance Instructions (For Aircraft) No S/V Provisions	ganizational Ma	intenance Instru	ctions (For Aircı	aft)					
MIL-M-63000C (1) 01 SEP 71 Config	01 SEP 71	Config	Ат	5	T	U TM TMSS Gen Gen Gen	Sen	Gen	Gen
•	:								
Manuals, Technical, General Requirements for Manuscripts	eneral Requiren	nents for Manusc	ripts						
M. C.M. D	•		•						

Army Config ... Manual, Technical, for Army Aircraft 15 APR 72 No S/V Provisions No S/V Provisions MIL-M-63026 (2)

Oil Systems, Aircraft, Installation and Test of No S/V Provisions

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04 APR 57 Propul/pwr\*

MIL-0-19838 (1)

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Ртер	FSC	Scope	Ref	Rqmt	<b>O</b>	Def.
MIL-0-27210D (2)	30 MAR 72	Env cont	USAF/Navy	ח	89	6830	Gen	Gen	Cen	Gen	Sen.
Oxygen. Aviators Breathing. Liquid and Gas No S/V Provisions	 Ithing, Liquid an	d Gas									
MIL-0-38338C	13 MAY 71	Propul/pwr	USAF	מ	=	0899	Gen	Gen	None	Gen	E
Oil Quantity Gaging System, Continuous Transistorized Nucleonic, General Specification for 1-Scope: 2-Ref Documents; 3.8.2-Containment of Gas Under Emergency Conditions; 4-Tests; 6.1-Intended Use	ystem, Continuor nents; 3.8.2-Cont	us Transistorized ainment of Gas I	l Nucleonic, Ger Jnder Emergenc	ieral Spec y Condit	ification ions; 4-7	n for Fests; 6.1-	Intended	U.Se			
MIL-0-55310	04 DEC 70	Avionics	Triservice	n	EL	5955	Gen	Gen	Gen	Cen	Sen
Oscillator, Crystal, General Specification for No S/V Provisions	··· neral Specificatio	n for									
MIL-P-5238B	02 FEB 61	Fuel sys	Triservice	n	11	2915	Gen	Gen	Cen	Cen	Cen
Pump, Centrifigual, Fuel Booster, Aircraft. General Specification for No S/V Provisions	 ael Booster, Airci	raft. General Spe	cification for								

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Pneumatic Systems, Aircraft, Design, Installation, and Data Requirements for 1-Airborne or Ground Charged Sys; 2-Ref Documents; 3.6.2-Separation of Lines, 3.8.1.1-Gunfire Test of Structural Members Used As

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None

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Triservice

Fluid pwr

MIL-P-5518C(USAF) Interim Amendment I Reservoir: 4.1-Intended Use

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Config\*

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MIL-P-8045B (3)

Plastic, Self-Sealing and Non-Self-Sealing Tank Backing Material No S/V Provisions

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Document Number Amend'supp Title Provisions Cited	Date Date	Subsystem	Service	Class	<b>Pre</b> p	FSC	Scope	Ref	Rgmt	Ø	Def
MIL-P-5954A (1) Pump Unit, Hydrauli	MIL-P-5954A (1) 08 SEP 55 Fluid pwr USAF/Na	Fluid pwr Driven Fixed Di	USAF/Navy	ם	AS	1650	Gen	Gen	Cen	Gen	gg .
No S/V Provisions											
MIL-P-5994C	03 MAY 72	Fluid pwr	Triservice	ם	=	1650	Gen	Gen	Cen	Gen	Cen
Pump. Hydraulic, Electric Motor No S/V Provisions	etric Motor Drive	n. Variable Del!	Driven. Variable Del: "ery, General Specification for	ecificatio	n for						
MIL-P-6525A 11 DEC Notice 1 31 OCT Pump. Fuel Transfer, Air-To-Air No S/V Provisions	11 DEC 52 31 OCT 55 Air-To-Air Refue	S 52 Fuel sys USAF/Navy F 55 Refueling, General Specification for	USAF/Navy	n	=	2915	Gen	Gen	ea .	Sen	Gen
MIL-P-7858 (2)	17 APR 56	Fluid pwr	Triservice	n	\$	4320	Gen	Gen	Gen	Gen	Çen
Pump, Hydraulic, Pov No S/V Provisions	Pump, Hydraulic. Power Driven, Fixed Displacement No S/V Provisions	Displacement									

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Decument Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	<b>V</b>	å
MIL-P-8564D(ASG)	18 NOV 70	Fluid pwr	Triservice	n	AS	1650	Gen	Gen	Gen	Gan	Gen
Pneumatic System Components, Aeronautical, General Specification for No S/V Provisions	nponents, Aeron	iautical, General	Specification fc	10							
MIL-P-8686(ASG)	04 NOV 55	Propul/pwr	Triservice	n	AS	2835	Cen	Gen	Cen	Gen	Gen
Power Units, Aircraft Auxiliary, Gas-Turbine Type, General Specification for No S/V Provisions	···· Auxiliary, Gas-Tı	urbine Type, Gen	eral Specificati	on for							
MIL-P-18617	30 JUN 55	Propul/pwr	Navy	ם	AS	1376	Gen	Gen	Gen	Cen	Sen
Propellant. Double-Base, Type N-2 (JPN) No S/V Provisions	e, Type N-2 (JP)	<del>2</del>									
MIL-P-19692B	03 JUL 63	Fluid pwr	Triservice	n	AS	1650	Gen	Gen	Gen	Gen	Cen
Pump, Hydraulic, Variable Delivery, General Specification for No S/V Provisions	able Delivery, Ge	eneral Specificati	on for								
MIL-P-23377C (1)	31 MAR 72	Structure	Triservice	מ	AS	8010	Gen	Gen	Gen	Gen	Gen
Primer Coating, Epoxy-Polyamide, Chemical and Solvent Resistant No S/V Provisions	···	mical and Solven	t Resistant								

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Documer t Number Amend/s 1pp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	8	Ğ
MIL-P-26292C (3)	15 JUN 72	Crew sta	USAF/Army	n	Ξ	6610	Gen	Gen	Gen	Gen	Sen
Pitot and Static Pressure Systems, Installation and Inspection of No S/V Provisions	ire Systems, Insta	allation and Insp	ection of								
MIL-P-26366A	15 NOV 62	Propul/pwr	Triservice	n	11	1610	Gen	Gen	Gen	Gen	Gen
Propeller Systems, Aircraft. General Specification for No S/V Provisions	··· craft. General Sp	ecification for									
MIL-P-26517A (5)	13 OCT 71	Elec pwr	USAF/Army	n	=	6130	Gen	Gen	Gen	Gen	Gen
Power Supply, Transformer-Rectifier, Aircraft, General Specification for No S/V Provisions	ormer-Rectifier, /	Aircraft, General	Specification fo	<b>L</b>							
MIL-P-81279 01 AUG 65 Elec pwr Supplement 1A 01 MAY 68 Power Supply, Miniature, General Specification for No S/V Provisions	01 AUG 65 01 MAY 68 ire, General Spec	Elec pwr ification for	Navy	n	AS	6110	Gen	Gen	Gen	Gen	Gen
MIL-P-81338	18 NOV 65	Elec pwr	Navy	ם	AS	6130	Gen	Gen	Gen	Gen	Gen

Power Supply, Transistorized. Direct Current, Regulated, General Specification for No S/V Provisions

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	<b>V</b> O	්සි
MIL-P-81653	17 NOV 69	Elec pwr	Navy	ב	AS	6110	Gen	Gen	Gen	Gen	Gen
Power Controller, Solid State, General Specification for No S/V Provisions	··· id State, General	Specification for									
MIL-P-83126	15 MAY 73	Crew sta	USAF/Army	n	11	1377	Gen	Gen	Gen	Gen	Gen
Propulsion System. Aircraft Crew Emergency Escape/Eject. General Design Specification for No S/V Provisions	 ircraft Crew Eme	rgency Escape/E	ject, General De	sign Spec	ification	n for					
MIL-Q-9858A	16 DEC 63	Config	Triservice	Ð	01	MISC	Gen	Gen	Gen	Gen	સુ
Quality Program Requirements No S/V Provisions	uirements										
MIL-R-5757F (4)	17 APR 73	Elec Fwr	Triservice	n	EC	5945	Cen	Gen	Gen	Gen	Gen
Relay, Electrical (For Electronic and Communication Type Equipment) General Specification for No S/V Provisions	Electronic and (	Communication	Sype Equipment	.) Genera	l Specifi	cation for					
MIL-R-6003A	24 OCT 51	Propul/pwr	Triservice	Ü	71	2950	Gen	Gen	Gen	Gen	Gen
Regulator, Turbosupercharger, General Specification for No S/V Provisions	··· ercharger, Genera	J Specification fo	<b>1</b> 4								

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Deficiencies	Rqmt	Gen	Gen	Gen	Ge	Spec ndicions,	
	Ref	Gen	Gen	Gen	Gen	Gen ınfire Co	
	Scope	Gen	Gen	Gen	Gen	Gen 4.4.11-G	
	FSC	5945	2925	5840	1680	1650 nsidered;	
	Prep	80	AS	11	AV	AS Not Co	
	Class	U	U cation fo	n	n	U Rqmts	
	Service	U°AF/Navy	Triservice r, General Specifî	USAF/Navy	Triservice	USAF/Navy nickness Gunfire	
	Subsystem	Elec pwr ecification for	Elec pwr rrent Generatoi	Avionics	Crew sta	Fluid pwr ; 3.4.1-Wall TI	
	Date Date	27 JAN 70  space, General Sp	14 JUL 50 14 DEC 55 :0-Volt, Direct Cu	12 JAN 55	30 JUN 65  ss, Inertial Lock	(4) 14 MAR 68 natterable Steel -Ref Documents	-Intended Use
	Document Number Amend/supp Title Provisions Cited	MIL-R-6106F (1) 27 JAN 70 Elec pwr Relay, Electric, Aerospace, General Specification for No S/V Provisions	MIL-R-6809 14 JUL 50 Elec pwr Triservice U Notice 1 14 DEC 55 Regulator, Voltage, 30-Volt, Direct Current Generator, General Specification for No S/V Provisions	MIL-R-7705A 12 JAN  Radome, General Specification 1 No S/V Provisions	MIL-R-8236C 30 JUJ	MIL-R-8573A(ASG) (4) 14 MAR 68 Fluid pwr USAF/Navy U AS 1650 Gen Gen Spec None Gen  Reservoir, Air, Nonshatterable Steel 1-Types & Class; 2-Ref Documents; 3.4.1-Wall Thickness Gunfire Rqmts Not Considered; 4.4.11-Gunfire Condi:ions, 4.4.11.3-Gunfire	Requirements: 6.1-Intended 1

								-	Deficiencies	s	
Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	OA	Def.
MIL-R-8931 (1)	10 MAY 72	Fluid pwr	Triservice	n	=	1650	Gen	Gen	Gen	Gen	Gen
Reservoirs. Aircraft and Missile. Hydraulic, Separated Type No S/V Provisions	d Missile. Hydra	ulic, Separated T	ype								
MIL-R-9208B	89 TAT 20	Fuel sys	Navy	n	AS	9320	Gen	Cen	Gen	Cen	Gen
Repair Material, For Self-Sealing Fuel Tanks No S/V Provisions	elf-Sealing Fuel	Tanks									
MIL-R-9345 (1)	08 FEB 57	Env cont	USAF	n	Ξ	1660	Gen	Gen	Gen	Cen	Gen
Regulator, Air Pressure, Aircraft Cabin, General Specification for No S/V Provisions	··· e, Aircraft Cabin	, General Specifi	cation for								
MIL-R-19648B (2)	29 NOV 71	Elec pwr	Triservice	Ω	EC	5945	Gen	Gen	Gen	Gen	Gen
Relay, Time Delay, Thermal, General Specification for No S/V Provisions	· · · · · · · · · · · · · · · · · · ·	specification for									
MIL-R-19753A	31 MAR 58	Elec pwr	USAF/Navy	Ω	AS	2925	Gen	Gen	Gen	Gen	Gen
Regulator, Voltage, 28V, 120 Deg C, for 30V Direct Current Generator, General Specification for No S/V Provisions	V, 120 Deg C, fo	or 30V Direct Cu	urent Generatoi	; Genera	l Specifi	cation for					

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Class Prep FSC Scope		Ref Rqmt QA	6A	<u>کو</u>
MIL-R-23761 07 M		AY 63 Elec pwr Navy U AS V Direct Current Generator, General Specification for	Navy r, General Spe	U	AS	6110	U AS 6110 Gen Gen Gen Gen Gen Gen Gen	Gen	Gen	Gen	Gen
MIL-R-25054	18 MAY 56 Env cont	Env cont	USAF	Ω	=	1680	11 1680 Gen	Gen	Gen	Gen	Gen

Gen Gen સુ 1337 12 **-**USAF Regulator, Temperature, Aircraft-Cabin, General Specification for Rocket Motors, Aeronautical, General Specification for No S/V Provisions Crew sta\* 05 MAR 65 MIL-R-25532A (2) No S/V Provisions

Rocket Motor, Aeronautical, Model Specification for (Outline and Instructions for Preparation) No S/V Provisions

Regulator, Oxygen, Automatic Pressure Breathing High Altitude, General Specification for No S/V Provisions

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MIL-R-25572A

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	<b>V</b> O	<u>ي</u>
MIL-R-25575A (1)	24 OCT 57	Env cont	USAF	U	11	1660	Gen	Gen	Gen	Gen	સુ
Reducer, Oxygen Pressure, General Specification for No S/V Provisions	ure, General Spo	ecification for									
MIL-R-25916 (6)	24 OCT 68	Env cont	USAF	n	=	1660	Cen	Gen	Gen	Gen	Gen
Regulator, Oxygen, Diluter-Demand. Automatic-Pressure-Breathing, General Specification for No S/V Provisions	··· uter-Demand, A	.utomatic-Pressure	Breathing, Ger	neral Spe	cificatio	n for					
MIL-R-27521A(USAF) 24 JUN 71	24 JUN 71	Fuel sys	USAF	n	11	1680	Gen	Gen	Gen	Şen	Gen
Receptacle, Flying Boom, Aerial Refueling No S/V Provisior	 m, Aerial Refue	ling									
MIL-R-28750	17 JUL 70	Elec pwr	Triservice	n	EC	5945	Gen	Gen	Sea	Gen	Gen
Relay, Solid State, Specification for No S/V Provisions	cification for										
MIL-R-28769	18 JUN 71	Elec pwr	Triservice	Ω	EC	5945	Gen	Gen	Gen	Sen	Sen
Relay, Electrical, Photosensitive, (For Control and Communication Type Equipment), General Specification for No S/V Provisions	osensitive, (For	Control and Comm	nunication Typ	e Equipi	nent). G	eneral Spo	ecification	for			

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rgmt	\$	Ĕ
MIL-R-28776	30 DEC 71	Elec pwr	Triservice	n	29	5945	Çen	Gen	Gen	Gen	Gen
Relay, Hybrid, General Specification for No S/V Provisions	Specification f	ōr									
MIL-R-50781	25 OCT 72	Elec pwr	Triservice	n	MU	2990	Gen	Gen	Gen	Se	Čen
Resolver, Electrical, Linear, General Specification for No S/V Provisions	 inear, General S <sub>i</sub>	pecification for									
MIL-R-83056(USAF)	23 JAN 69	Env cont	USAF	n	==	11 6850	Gen	Gen	Gen	Sea	Cen

	Gen
	Gen
	Gen
	Gen Gen
	.1 9320 C
ation for	Ξ
l Specific	n
breathing, Genera	USAF
Nuto-Pressure-E	Fuel sys
Niuter-Demand, Auto-Pressure-Breathing, General Specification for	27 JAN 71 Fuel sys
Regulator, Oxygen, Di	MIL-R-83309

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11 APR 72

MIL-R-83178 (2)

Rain Repellents, In-Flight Applied, Aircraft Windshield No S/V Provisions

Repair Material, Natrile, Fuel, Bladder, Aircraft No S/V Provisions

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	<b>V</b> O	Def
MIL-R-83368 (1)	27 NUL 10	Elec pwr	USAF	Ω	11	5945	Gen	Gen	Gen	Cen	Gen
Relay, Electromagnetic, Emi No S/V Provisions	 ic, Emi Suppress	 Suppressed, General Specification for	cation for								
MIL-R-83372	31 MAY 72	Elec pwr	USAF	n	Ξ	5945	Gen	Gen	S	Sen	Sen
Relay, Electromagnetic, Hybrid, Emi Suppressed, General Specification for No S/V Provisions	ic, Hybrid, Emi S	Suppressed, Genera	ıl Specification	ı for							
MIL-R-83407	26 DEC 72	Elec pwr	USAF	n	11	5945	Gen	Gen	Gen	5	Gen
Relay, Reed (Mercury Wetted) General Specification for No S/V Provisions	··· Wetted) General	l Specification for									
MIL-R-83725A	12 FEB 70	Elec pwr	Triservice	Ω	80	5945	Gen	Ş	Sen	Gen	Gen
Relay, Vacuum, General Specification for No S/V Provisions	ral Specification	for									
MIL-R-83726	24 SEP 69	Elec pwr	Triservice	ာ	8	5945	Gen	Gen	Gen	Cen	Gen

Relay, Time Delay, Electric and Electronic, General Specification for No S/V Provisions

Surface Treatments and Inorganic Coatings for Metal Surfaces of Weapons Systems No S/V Provisions

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rant	80	ă
MIL-S-3786D 07 JUN 73 Elec pwr Triservice U 8 Supplement 1 07 JUN 73 Switch, Rotary (Circuit Selector, Low-Current Capacity), General Specification for No S/V Provisions	07 JUN 73 07 JUN 73 uit Selector, Low-	Elec pwr Current Capacity)	Triservice ), General Speci	U ification f	. for	5930	Gen	<b>8</b> 5	ES.	es S	g g
MIL-S-3928C 22 AUG 73 Avionics Triservice U Switch, (Coaxial), Radio Frequency Transmission Line, General Specification for No S/V Provisions	22 AUG 73  dio Frequency Tn	Avionics ansmission Line, (	Triservice General Specific	U cation for	) E	5985	Se .	S.	Sen	Sea	Se Se
MIL.S-3950E (1) 03 OCT 72 Supplement 1B 12 APR 73 Switch, Toggle, General Specification No S/V Provisions	03 OCT 72 12 APR 73 ral Specification	Elec pwr	Triservice	n	<b>&amp;</b>	5930	Gen	Gen	Gen	Gen	Gen
MIL-S-4040D (1) 02 FEB 71 Electors of the Solenoid, Electrical, General Specification for No S/V Provisions	02 FEB 71  Jeneral Specificati	Elec pwr ion for	Triservice	Ď	<b>%</b>	5945	Gen	Se Se	S.	<b>5</b>	<b>5</b>
MIL-S-5002C	26 JUL 71	Structure	Triservice	n	AS	MFFP	Sen.	Gen	Gen	Sen	Sen

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Decument Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	<b>∀</b> ∂	Def
MIL-S-5676A (1)	21 APR 53	Flt cont	USAF/Navy	n	<b>2</b>	5130	Gen	Ş	Gen	Gen	Gen
Splicing, Cable Terminal, Process for Aircraft No S/V Provisions	 inal, Process for A	Nircraft									
MIL-S-6144A	12 MAY 66	Env cont	Triservice	n	AS	1560	Gen	None	None	Gen	Sen
Sound and Thermal Insulation for Aircraft General Specification for Installation of 1-Scope: 2-Ref Documents; 3.6-Fire Resistance Per MIL-I-7171; 4-Inspection; 6.1-Intended Use	nsulation for Airc ments; 3.6-Fire Ro	raft General Sp esistance Per MI	ecification for In L-I-7171; 4-Insp	stallation ection; 6.	ı of 1-Intenc	led Use					
MIL-S-6625A	26 MAR 53	Env cont	USAF/Navy	ם	AS	6850	Cen	Gen	Gen	Gen	Gen
Spray Equipment, Aircraft Windshield, Anti-Icing No S/V Provisions	··· rcraft Windshield.	. Anti-Icing									
MIL-S-6807D	25 SEP 68	Elec pwr	Triservice	ב	8	5930	Gen	Gen	Gen	Ş	ફુ
Switch, Rotary, Selector Power, General Specification for No S/V Provisions	 tor Power, Gener	al Specification	for								
MIL-S-7470	13 JAN 53	Pwr trains	USAF	n	=	1680	Gen	Š	Sen	કુ	કુ
Shaft, Power Transmission, Aircraft Accessory, General Specification for No S/V Provisions	ssion, Aircraft Ac	cessory, Genera	l Specification fo	70							

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Decument Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	OA	ğ
MIL-S-7848C	28 JUL 58	Propul/pwr	Navy	າ	AS	2995	Gen	Ş	Gen	Gen	Gen
Starter, Engine, Air Turbine Type, General Specification for No S/V Provisions	rbine Type, Ger	neral Specificatio	n for								
MIL-S-8698(ASG) (1)	28 FEB 58	Structure	USAF/Navy	Ď	AS	1520	Cen	<b>Gen</b>	Cen	Cen	<b></b>
Structural Design Requirements, Helicopters No S/V Provisions	··· irements, Helic	opters									
MIL-S-8710B	10 JUL 69	Fuel sys	Triservice	Ω	=	2915	Sen	Gen	Gen	Gen	Şen
Strainer, Aircraft Fuel System, No S/V Provisions	System, Genera	General Specification for	10								
MIL-S-8784B	12 APR 71	Fuel sys	Triservice	n	\$	8030	Gen	Gen	Gen	Gen	Š
Sealing Compound, Low Adhesion, for Removable Panels and Fuel Tank Inspection Plates No S/V Provisions	···	Removable Pane	els and Fuel Tar	ık İnspeci	tion Plat	ន					
MIL-S-8805C (2)	16 FEB 71	Elec pwr	Triservice	Û	EC	5930	Gen	Gen	Gen	Sen	Ş
Switches and Switch Assemblies, No S/V Provisions		Sensitive and Push, Snap Action, General Specification for	ap Action, Gen	eral Speci	fication	for					

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Ramt	ΦŎ	Def
MIL-S-8812C	16 JAN 69	Launch/rec	Triservice	Ω	11	1620	Gen	Gen	Spec	Cen	Gen
Steering System, Aircraft General Requirements for 1-General Requirements for Steering System; 2-Ref	raft General Requits for Steering S	· · · meral Requirements for Steering System; 2-Ref Documents; 3.2-Design Per MIL-H-5440; 4-Test and Inspection; 6-Intended Use	cuments; 3.2-De	sign Per	MIL-H-S	440; 4-Te	st and Ins	pection; 6	-Intendec	i Use	
MIL-S-8932	28 JAN 65	Elec pwr	Triservice	n	AS	1650	Cen	Gen	Gen	Sen	Sen
Switch, Pressure, Aircraft. General Specification for No S/V Provisions	 raft. General Spe	xification for									
MIL-S 8959	14 JUN 65	Launch/rec	USAF/Navy	Ω	11	1620	Gen	Gen	Gen	Gen	Gen
Spring, Hydraulic, General Specification for No S/V Provisions	··· neral Specification	on for									
MIL-S-9395D	11 APR 73	Elec pwr	Triservice	Ŋ	<b>&amp;</b>	5930	Gen	Gen	Gen	Gen	Sen
Switch, Pressure (Absolute Gauge and Differential), General Specification for No S/V Provisions	olute Gauge and	Differential), Ger	neral Specificati	on for							
MIL-S-9479B (1)	20 OCT 71	Crew sta	Triservice	Ω	Ξ	1680	Gen	Gen	Gen	Gen	Ş
Seat System, Upward Ejection, Aircraft. General Specification for No S/V Provisions	 Ejection, Aircra	ft, General Specif	ication for								

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Propul/pwr

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MIL-S-19557C

Starter, Aircraft Engine, Air Turbine No S/V Provisions

Def	None	3.4, and	Sen Gu		કુ		Gen
ď	None	.5, 4.6.2.	Ş		Gen		Gen
Rqmt	None	43, 4.6.1	None		Gen		Gen
Ref	None	.1, 4.4.2.	ઉં	ons	Gen		Gen
Scope	None	mor; 4.4.1	None	.5-Definiti	Gen		Gen
FSC	9515	ICast An	9515	usive) c Tests; 6.	1680		5961
Prep	MR	usive) for Class	MR	hes, Incl t-Ballisti	AS	, or	33
Class	ם	hes, Incl Rqmts	n	to 6 Inc	Ω	fication f	n
Service	USAF/Army	e (1/4 to 12 Incl ts, 3.2.5-Ballistic	Ату	ehicle Type (1/4 ance Class-I Am	Navy	e, General Specií	Triservice
Subsystem	Armor mtls	ıbat-Vehicle Typ .8-Baliistic Rqm' ded Use	Armor mtls	eous, Combat-V 6-Ballistic Resist	Crew sta	ection Seat Typo	N 73 Avionics G 73 Specification for
Date Date	13 APR 62	mogeneous, Corr Documents; 3.1 esting; 6.1-Inten	16 FEB 67	ought, Homogen Documents; 3.2.	20 APR 71	 mated Escape. Ej	
Document Number Amend/supp Title Provisions Cited	MIL-S-11356D (1)	Steel Armor, Cast, Homogeneous, Combat-Vehicle Type (1/4 to 12 Inches, Inclusive) 1-Classification; 2-Ref Documents; 3.1.8-Baliistic Rqmts, 3.2.5-Ballistic Rqmts for Class 1Cast Armor; 4.4.1.1, 4.4.2.4.3, 4.6.1.5, 4.6.2.3.4, and 4.7.2.2.4-Ballistic Testing; 6.1-Intended Use	MIL-S-12560B (1)	Steel Armor, Plate, Wrought, Homogeneous, Combat-Vehicle Type (1/4 to 6 Inches, Inclusive) 1-Classification; 2-Ref Documents; 3.2.6-Ballistic Resistance Class-I Armor; 4.6.4-Ballistic Tests; 6.5-Definitions	MIL-S-18471D (3)	System, Aircrew Automated Escape. Ejection Seat Type, General Specification for No S/V Provisions	MIL-S-19500E (4) 08 JAI Supplement 1F 15 AU Semiconductor Device, General No S/V Provisions

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Document Number Amend/sup Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	δ <sub>Q</sub>	Def
MIL-S-20708C (2) 27 A Syncro, General Specification No S/V Provisions	27 AUG 69 fication for	Avioncis	Triservice	D	AS	2990	None	None	None	None	None
MIL-S-21277A 09 C	09 OCT 61  General Specific	CT 61 Elec pwr  Specification for	Navy	n	AS	0899	Gen	Gen	Gen	Cen	Gen
MIL-S-22432 15 MAR ( Servomotor, General Specification No S/V Provisions	15 MAR 63 ··· Specification	Avionics	Triservice	Þ	AS	6105	Gen	Gen	Gen	Gen	Ş
MIL-S-22518 (1) 01 J		UN 62 Propul/pwr Navy U AS Combination, Aircraft Engine, Air Turbine, Specification for	Navy jine, Air Turbir	U ne, Specifi	AS ication f	2995 or	Gen	Gen	Gen	Gen	Ğ
MIL-S-22710D 15 DEC 72 Elec pwr Triservice U EC 5930 Switch, Rotary (Printed Circuit), (Thumbwheel, Inline, and Pushbutton), General Specification for No S/V Provisions	15 DEC 72  ed Circuit), (Thu	Elec pwr ımbwheel, Inline,	Triservice and Pushbutto	U n), Gener	EC ral Speci	5930 fication fo	Gen	Gen	Gen	Gen	Gen

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Elec pwr

26 APR 72

MIL-S-24236B

Switch, Thermostatic, (Metallic and Bimetallic), General Specification for

No S/V Provisions

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None

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16 DEC 68

MIL-S-24286 (2)

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Class Prep	FSC	FSC Scope	Ref	Ref Rqmt	<b>V</b>	Def
MIL-S-22885C 06 JUL 71 Elec pwr Tr Supplement 1 06 JUL 71 Switch, Push Button, Illuminated. General Specification for No S/V Provisions	06 JUL 71 Elec pwr 06 JUL 71 Illuminated, General Specifi	Elec pwr Ieral Specification	Triservice	n	EC	EC 5930	Gen	Gen	Gen	Gen	Gen
MIL-S-23535 01 APR 63 C System, Integrated Flight Instrumentation No S/V Provisions	01 APR 63 Crew sta  ght Instrumentation	Crew sta tion	Navy	n	<b>S</b>	<b>AS</b> 6610	Gen	Gen	Gen	Gen	Gen

Deficiencies

1-Lightweight; 2-Ref Documents; 3.7-Ballistic Properties, 3.11-Ballistic Test Plate Information; 4.4.1.1-Ballistic Test Samples; 6.3-Ballistic Steel Armor Plate, Wrought, High-Hardness Definitions

g Se Sen Sen 5930 S  $\supset$ Triservice Elec pwr 15 MAR 68 25 AUG 72 Supplement 1A MIL-S-24317

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Switch, Multistation. Pushbutton, (Illuminated and Nonilluminated), General Specification for

No S/V Provisions

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	<b>v</b> o	<u>و</u>
MIL-S-24329A	12 FEB 73	Elec pwr	Triservice	n	EC	5930	Gen	Cen	Gen	Gen	Gen
Switch. Stepping, Rotary, General Specification for No S/V Provisions	ry, General Spe	cification for								•	
MIL-S-25057A	69 LOO 67	Propul/pwr	USAF	n	=	2840	Gen	Gen	None	None	None
Screen System, Air Inlet, Aircraft Turbine Engine. General Specification for I-Scope: 2-Ref Documents: 3.6.3(A)-7.62MM Empty Cartridge Case Impact Strength: 4.6.8-Object Retention, 4.6.10-Impact Resistance: 6.1-Intended Use	··· st, Aircraft Turk nents: 3.6.3(A)	oine Engine. Gener 7.62MM Empty	ral Specificatio Cartridge Cas	n for e Impact	Streng	th: 4.6.84	Object R	etention,	4.6.10-Im	pact Resi	stance:
MIL-S-25980.A	15 JUN 65	Fuel sys	USAF	ລ	82	2915	Gen	Gen	Gen	Cen	Gen
Switch, Float, Aircraft Fuel Level, General Specification for No S/V Provisions	Fuel Level, Ger	neral Specification	ı for								
MIL-S-26390A(USAF) 20 MAY 69	20 MAY 69	Fuel sys	USAF	ם	Ξ	5930	Gen	Gen	Gen	Cen	Cen
Switch Assemblies, Pressure Fuel No S/V Provisions	ssure Fuel										
MIL-S-27172	23 JUL 59	Crew sta	USAF	ני	=	1680	Gen	Gen	Cen	Cen	Cen
Sensing Device. Airspeed, Escape System. Specification for No S/V Provisions	ed, Escape Syste	enı. Specification	for								

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	Subsystem	
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Document Number Amend/supp

Provisions Cited

Title

MIL-S-27266A	17 NOI 80	JUN 71 Propul/pwr	USAF	U 11	Ξ	2995	2995 Gen Gen Gen Gen	Cen	Gen	Gen	Gen
Starter, Engine, Cartridge and No S/V Provisions	rtridge and	 Pneumatic, Shaft Drive, General Specification for	General Specific	ation for							

No S/V Provisions			•							
MIL-S-28705 (1)	04 APR 69 Elec pwr	Elec pwr	Triservice U EC 5930 Gen Gen Gen Gen	ລ	EC	5930	Gen	Gen	Cen	Gen
Switch, Leaf Spring (I No S/V Provisions	···	(Lever. Push.	(Pile-Up Contacts) (Lever. Push. Turn) (Illuminated). General Specification for	f). Gener	al Speci	fication for	L			

Concine Congraf Consistention for	ille. Felleral Specification for	
Sound I I then I I am I I I am I	Switch, Air and Liquid Figw School	No S/V Provisions

MIL-S-38249 (2)	19 NOV 68 Structure	Structure	USAF	ה וו	11	8030	8030 None None None None	None	None	None	None
:	:										
Scaling Compound, Firewall 1-Flame Resistant Self Extinguishing: 4.7.11-Flame Resistant Test; 6.1-Intended Use Suitable For Flash Temperatures Up to 2.000°F	rewall Ref Documents; Up to 2.000°F	3.3.12-Flame Ro	esistant Self Ext	tinguishir	ıg: 4.7.1	1-Flame F	Resistant 1	[est; 6.1- <b>I</b>	ntended	Use Suital	ole For

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Propul/pwr
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MIL-S-38399

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Starter, Pneumatic, Aircraft Engine, General Specification for No S/V Provisions

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MIL-S-81551 14 JUN 68 Elec pwr Trise.
Supplement 1A 05 MAR 70
Switch, Toggle, Hermetically Sealed, General Specification for No S/V Provisions

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Remt	<b>V</b> O	Dec
MIL-S-46099A	15 NOV 66	Armor mtls	Triservice	n n	MR	9515	None	Sen U	None	None	None
Steel Armor Plate, Roll-Bonded, Dual Hardness 1-Lightweight; 2-Ref Documents; 3.6-Ballistic Resistance; 4.4.1.1-Preproduction Ballistic Test Samples, 4.5.4-Production Ballistic Test Samples. 4.7.1-Ballistic Test Plates; 6.1-Intended Use	 Il-Bonded, Dual   Documents; 3.6-l Mates; 6.1-Intend	Dual Hardness ; 3.6-Ballistic Resistance Intended Use	e; 4.4.1.1-Prepr	oduction	Ballistic	: Test San	1ples, 4.5.4	f-Product	tion Ballis	tic Test S	amples.
MIL-S-55433A (2)	22 NOV 71	Elec pwr	íriservice	n	EL	5930	Gen	Gen	Gen	ફુ	Gen
Switch Capsules, Pry Reed Type, General Specification for No S/V Provisions	 Reed Type, Gene	eral Specification	Ōr								
MIL-S-58095	27 AUG 71	Crew sta	Army	n	AV	1680	Gen	Gen	Gen	Gen	Gen
Seat System, Crashworthy, Nonejection, Aircrew, General Specification for No S/V Provisions	··· rthy, Nonejectio	n, Aircrew, Gener	al Specification	ı for							
MIL-S-81018A	05 AUG 66	Crew sta	Navy	n	AS	1660	Gen	None	None	સુ	Sen
Survival Kit Container, Aircraft Seat, With Oxygen, General Specification for 1-Rigid Seat Survival Kit; 2-Ref Documents; 3.5.2.7.1.1-Emergency Oxygen Cylinder Per MIL-C-7905; 4-No Tests for Oxygen Cylinder; 6.1-Intended Use	 , Aircraft Seat, W Kit; 2-Ref Do	Vith Oxygen, Gene cuments; 3.5.2.7.	ral Specificatio 1.1-Emergency	on for Oxygen	Cylinde	er Per MI	L-C-7905;	ToN-4	ests for 0	xygen C	ylinder;

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**Deficiencies** 

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rgmt	<b>V</b>	Deţ
MIL-S-81619A	08 OCT 69	Elec pwr	Navy	n	AS	5930	Gen	Gen	Gen	Gen	Gen
Switch, Solid State Transducer, No S/V Provisions	··· Fransducer, Generi	General Specification for	<b>.</b>								
MIL-S-81771 (1)	11 MAR 71	Crew sta	Navy	Ω	AS	1680	Gen	Gen	Gen	G.	Sen
Seat, Aircrew. Adjustable, Aircraft, General Specification for No S/V Provisions	··· table. Aircraft, Ge	eneral Specificatio	n for								
MIL-S-83249	11 FEB 70	Pass/cargo	USAF	n	==	4240	Sen	Gen	Gen	Gàn	Gen
Slide, Escape, Aircraft, Inflatable, General Specification for No S/V Provisions	··· ft, Inflatable, Gen	eral Specification	for								
MIL-S-83315 (1)	17 OCT 72	Structure	USAF	n	Ξ	8030	E	Gen	Gen	Gen	Gen
Sealing Compound, Aluminum Structure, Pressure and Weather Sealing, Low Density No S/V Provisions	 Aluminum Structu	ıre, Pressure and W	Veather Sealing	s, Low De	nsity						
MIL-S-83395	06 OCT 72	Elec pwr	USAF	Ω	11	5930	Gen	Ş	Gen	Ę	Sen

Switch, Integral, Proximity, Sealed, General Specification for No S/V Provisions

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Pwr trains

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MIL-T-5091

Transmission, Power, Constant Ratio. General Specification (Aircraft Use) No S/V Provisions

ă	Sen	<b>9</b>	Sen	None
<b>V</b> O	Se Se	gen	Gen	None ble; 6.2-1
Rqmt	Gen	Gen	Gen	None t Applica
Ref	Gen	Gen	Gen	None ion; 4-No
Scope	Gen	Gen	Gen	None r Installati
FSC	5930	5950 for	4030	4925 of Armol
Prep	<b>8</b>	ELification	69	18 oof spection
Class	n	U eral Speci	ū	U mum Prc ; 3.11-In
Service	Triservice pecification for	Triservice wer Fulse), Gene	Triservice	USAF/Navy s, Standard Mini Not Applicable
Subsystem	Elec pwr oggle, General S	Elec pwr wer, and High Po	Launch/rec	Armament s and Accessorie tt Installation; 2
Date Date	16 MAR 72 12 APR 73 aled and Sealed T	14 OCT 69	24 MAY 65  Swaging	24 AUG 49 15 DEC 53 ment Installation acy of Armamer
Document Number Amend/supp Title Provisions Cited	MIL-S-83731 16 MAR 72 Elec pwr Triservice Supplement 1B 12 APR 73 Switch, Toggle, Unsealed and Sealed Toggle, General Specification for No S/V Provisions	MIL-T-27C(1)  14 OCT 69 Elec pwr Triservice U EL 59  Transformer and Inductor (Audio, Power, and High Power Fulse), General Specification for No S/V Provisions	MIL-T-781B (1) 24 M Terminal, Wire Rope Swaging No S/V Provisions	MIL-T-5029 24 AUG 49 Armament USAF/Navy U 18 4925 None None None None None None None None

Deficiencies

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2	Gen		Gen		Cen		None
<b>V</b> O	Gen		Gen		Gen		None
Remt	Gen		Gen		Gen		None
Ref	Gen		Gen		Gen		Cen
Scope	Gen		Gen		Cen		None
FSC	6620		MISC		1650		1560
Class Prep	=		AS		AS		11
Class	n		n		n		n
Service	Triservice	ication for	Navy		Triservice	ystems, General	Triservice
Subsystem	Avionics	, General Specif	Env cont*	onic Equipment	Fluid pwr	ind Pneumatic S	Fuel sys
Date Date	18 JUN 70	··· perated, Aircraft	30 NOV 71	··· il, Aircraft Electr	25 MAR 66	نتولد Hydraulic ع	15 NOV 68
Document Number Amend/supp Title Provisions Cited	MIL-T-5350D (1)	Transmitter, Syncro Operated, Aircraft, General Specification for No S/V Provisions	MIL-T-5422F	Testing. Environmental, Aircraft Electronic Equipment No S/V Provisions	MIL-T-5522C	Test Procedure for Aircraft Hydraulic and Pneumatic Systems, General No S/V Provisions	MIL-T-5578C(2)

1-Types, Class & Style: 2-Ref Documents; 3.2(D)-Hydraulic Surge Due to Gunfire; 4.3.2.2.2-Aged Gunfire Resistance Test, 4.4.2.6-Gunfire Resistance Test on Installation; 6-Intended Use Tank. Self-Sealing Oil, Aircraft

1-Protection Levels; 2-Ref Documents; 3.5(D)-Hydraulic Surge Due to Gunfire; 4.6.5.3-Gunfire Resistance Phase I Cells, 4.6.12-Gunfire

None

None

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Triservice

Propul/pwr\*\*

14 JUN 56

MIL-T-5579 (1)

Resistance on Tank Installation; 6.1-Intended Use

Tank. Fuel. Aircraft, Self-Sealing

Also Armament
Also Pwr trains

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Repmt	\$	ě
MIL-T-5583B	24 SEP 63	Flt cont	Triservice	n	7.1	0199	Cen	<b>5</b>	Gen	<b>5</b>	g
Transmitter, Position, No S/V Provisions	Transmitter, Position, 28-Volt Direct Current No S/V Provisions	Junent									
MIL-T-5683A	15 MAY 50	Fit cont	USAF/Navy	D	AS	5885	Sea	Gen	Gen	<b>5</b>	5
 Terminals, Tie Rod, T No S/V Provisions	Terminals, Tie Rod, Threaded Clevis T No S/V Provisions	levis Type, Aircraft									
MIL-T-5842A (1)	13 JUL 53	Env cont	Triservice	Ω	=	1650	eg G	Gen	None	Spec	None
Areas, A	Transparent Areas, Anti-Icing, Defrosting, and Defogging Systems, General Specification for I-Scope; 2-Ref Documents; 3.3-Gunfire Damage Shall Not Create a Hazard to Aircraft Operation; 4-Tests; 6.1-Intended Use	ing, and Defoggi re Damage Shall	ng Systems, Ger Not Create a Ha	neral Spec zard to A	cification circraft C	for peration;	4-Tests; 6	.1-Intend	led Use		

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Tests, Impact, Shock Absorber Landing Gear, Aircraft No S/V Provisions

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Pwr trains

17 SEP 70

MIL-T-5955C

Transmission System, VTOL-STOL, General Requirements for

No S/V Provisions

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Reprot	80	Def
MIL-T-6396C	07 JUN 65	Fuel sys	USAF/Navy	n	=	1560	Ę	Şe	Spec	None	None
Tank, Fuel, Oil, Water-Alcohol, Coolant Fluid, Aircraft, Non-Self-Sealing, Removable I-Classification Types; 2-Ref Documents; 3-Rqmts; 4.6.19 and 4.6.24-Gunfire Tests Using .50 Cal and 20MM Projectiles; 6.1-Intended Use	er-Alcohol, Coolar ss; 2-Ref Documer	nt Fluid, Aircraf nts; 3-Rqmts; 4.6	t, Non-Self-Seali 5.19 and 4.6.24-4	ing, Remo Gunfire T	ovable ests Usir	19.50 Cal	and 20MN	d Projecti	les; 6.1-In	itended U	
MIL-T-7101A	20 NOV 51	Pwr trains	Navy	Ω	AS	3040	Gen	Gen	Ger	Ş	ફુ
Transmission, Power, Constant No S/V Provisions		Speed, General Specification (Aircraft Use)	ation (Aircraft	Use)							
MILT-7378A (4)	24 DEC 63	Fuel sys	USAF	Ω	11	1640	Gen	Cen	Gen	Gen	g
Tank, Fuel, Aircraft, External No S/V Provisions		Auxiliary, Removable									
MIL-T-8679	05 MAR 54	Config	Triservice	n	AS	1520	Gen	Gen	Gen	Gen	5
Test Requirements, Ground, Helicopter No S/V Provisions	···Ground, Helicopte	6									
MIL-T-18606 (1)	31 OCT 69	Env cont	Navy	Ω	AS	1660	Gen	Gen	કુ	Ş	કુ
Test Procedures for Aircraft Environmental Systems No S/V Provisions	 Aircraft Environm	ental Systems									

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	<b>Pre</b> p	FSC	Scope	Ref	Rqmt	<b>V</b> O	Def
MIL-T-18607 31 MAR 55 Env cont Theranal Anti-Icing Equipment, Wing and Empennage No S/V Provisions	31 MAR 55	Env cont nd Empennage	Navy	۵	AS	1650	Sen	Gen	Gen	Gen	Gen
MIL-T-18847B(1) 10 JUN 68 Fuel sys Navy Tank, Fuel, Aircraft, Auxiliary External. Design and Installation of No S/V Provisions	10 JUN 68  wxiliary Externa	Fuel sys al. Design and Ins	Navy tallation of	ם	AS	1560	Gen	Gen	Gen	Gen	Gen
MIL-T-21038C (2) 11 AUG 72 Elec pwr Supplement.1 23 JAN 74 Transformer, Pulse, Low Power, General Specification for No S/V Provisions	11 AUG 72 23 JAN 74 w Power, Genera	Elec pwr al Specification fo	Triservice	n	EC	5950	Gen	Gen	Gen	Gen	Gen
MIL-T-22821B  18 APR 69 Avionics  Tachometer-Generator, AC, General Specification for No S/V Provisions	18 APR 69  . AC, General Sp	Avionics recification for	Triservice	n	AS	0899	Gen	Gen	Gen	Gen	Gen
MIL-T-25363C 02 JUN 69 Fluid Tank Pneumatic Pressure, Aircraft, Glass Fiber	02 JUN 69	Fluid pwr ss Fiber	USAF	D	71	1650	Gen	Gen	None	None	None

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1-Scope; 2-Ref Documents; 3.4.7-Guntire Test Tank Shall Remain in One Piece; 4.4.3-Gunfire Test for Qualification, 4.6.8 Thru 4.6.8.4-Gunfire Test Rqmts; 6.1-Intended Use

None

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Triservice

Fuel sys

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MIL-T-27422B(1)

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Class Prep	FSC	Scope		Ref Rqmt	<b>V</b>	Dec
MIL-T-25435A (1)	02 JUL 68	Fluid pwr	USAF	Þ	=	U 11 6620	Gen	Gen	Gen	Gen	Seg
Transmitter, Pressure. Aircraft, Variable Reluctance Type, General Specification for No S/V Provisions	Aircraft, Variab	le Reluctance Ty	rpe, General Spe	cification	ı for						
MIL-T-25783C	31 MAR 66 Fuel sys	Fuel sys	USAF/Navy	n	11	1560	None	None	Gen	Spec	None
Tank, Fuel. Aircraft and Missile Non-Self-Scaling, High Temperature I-Classification: 2-Ref Documents: 3.6(D)-Hydraulic Surge Due to Gunfire; 4-Tests; 6.1-Intended Use	nd Missile Non-S Documents: 3.6	eli-Sealing, High (D)-Hydraulic Su	Temperature ırge Due to Gun	ıfire; 4-Te	sts; 6.1-l	intended L	Jse				

Tank, Fuel. Crash Resistant. Aircraft 1.2-Classification and Protection Levels: 2-Ref Documents: 3.5(D)-Hydraulic Surge Due to Gunfire: 4.6.6.4-Gunfire Resistance on Phase I Cubes, 4.6.7.8-Gunfire Resistance on Installation	nk, Fuel. Crash Resistant. Aircraft -Classification and Protection Levels: 2-Ref Docum- Phase I Cubes, 4.6.7.8-Gunfire Resistance on Installation	evels: 2-Ref	Documents:	3.5(D)-Hydra	aulic St	ırge Due	to Gunf	ire: 4.6.6	.4-Gunfire	Resista	ice on
MIL-T-27493A	30 OCT 64 Elec pwr	Elec pwr	USAF/Navy	$\supset$	=	5950	11 5950 Gen Gen Gen	Gen	Gen	Gen	Gen
Transformer, Variable. Single Phase 400 Cycles, General Specification for No S/V Provisions	· · · · · · · · · · · · · · · · · · ·	0 Cycles, Gene	eral Specificat	ion for							

Transformers and Inductors (Audio and Power) Established Reliability, General Specification for No S/V Provisions

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02 MAR 70 Elec pwr

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MIL-T-46077A 28 JUN 68 Armor mtls Triservice U MR 9535 None Gen None None None None None None None No							FSC	Scope	Ž.		<b>5</b>	Š
itanium Alloy Armor Plate, Weldable  -Wrought Titanium; 2-Ref Documents; 3.4-Ballistic Properties; 4.4.1.1-Preproduction Ballistic Test Samples, 4.7.1-Ballistic Tests; 6.2 Thr 6.6-Ballistic Definitions  IIL-T-46098A  29 SEP 67 Armor mtls Triservice U MR 9350 None None None None None  ile, Ceramic, Alumina, High Strength  -For Lightweight Composite Armor; 2-Ref Documents; 3-Material Requirements; 4-Tests; 6-Intended Use  IIL-T-81838  30 NOV 71 Fuel sys Navy U AS 1560 Gen Gen Gen Gen Gen		8 JUN 68	Armor mtls	Triservice	D	MR	9535	None	Gen	None	None	None
A 29 SEP 67 Armor mtls Triservice U MR 9350 None None None None None Alumina, High Strength sight Composite Armor; 2-Ref Documents; 3-Material Requirements; 4-Tests; 6-Intended Use 30 NOV 71 Fuel sys Navy U AS 1560 Gen Gen Gen Gen	iranium Alloy Armor Plate-Wrought Titanium; 2-Ref 6.6-Ballistic Definitions	e, Weldable f Documents	s; 3.4-Ballistic P.	roperties; 4.4.1	.1-Prepro	duction	Ballistic	Test Sam	ples, 4.7.	1-Ballistic	Tests; 6.	2 Thn
Alumina, High Strength sight Composite Amor; 2-Ref Documents; 3-Material Requirements; 4-Tests; 6-Intended Use 30 NOV 71 Fuel sys Navy U AS 1560 Gen Gen Gen		SEP 67	Armor mtls	Triservice	D	MR	9350	None	None	None	None	None
30 NOV 71 Fuel sys Navy U AS 1560 Gen Gen Gen	ile, Ceramic, Alumina, Hig For Lightweight Composi	 th Strength ite Armor; 2-l	Ref Documents;	3-Material Requ	ıirements	;; 4-Test	s; 6-Inten	ded Use				
		11	Fuel sys	Navy	n	AS	1560	Sen	Gen	Sen	Gen	Gen

1-Classification; 2-Ref Documents; 3.4.2(D)-Impact by Foreign Object; 4.6.17-Gunfire Phase I, 4.6.21-Gunfire Phase II; 6.1-Intended Use Tank, Bulk Fuel, Air Delivery

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MIL-T-83720 (1)

Transformer and Inductors, Non-Explosive, General Specification for No S/V Provisions

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Romt	\$	ă
MIL-T-83727 (1) 18 DEC 70 Transolver, General Specification for No S/V Provisions	18 DEC 70	Avionics	Triservice	n	08	2990	Gen	Gen	Gen	Gen	Gen
MIL-V-5379A (1) 10 SEP 57 Env cont Valve, Safety, Cabin Air, General Specification for No S/V Provisions	10 SEP 57  kir, General Speci	Env cont ification for	USAF/Navy	D	17	1660	Gen	Gen	Gen	Gen	Gen
MIL-V-5519C (1) 05 AU Valves, Aircraft Hydraulic Unic	05 AUG 64  aulic Unloading	Fluid pwr	Triservice	Þ	71	1650	Gen	Gen	Gen	Gen	Sen
MIL-V-5525C (1) 21 J Valves, Aircraft Power Brake No S/V Provisions	21 JAN 74  r Brake	Launch/rec	Triservice	ם	<b>A</b> S	1630	Gen	Gen	Gen	Gen	Gen
MIL-V-5527A  Valves, Aircraft, Hydraulic Thermal Expansion Relief No S/V Provisions	14 MAY 51  raulic Thermal Ex	Fluid pwr xpansion Relief	USAF/Navy	Þ	AS	1650	eg S	Gen	Gen	Se	Gen

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	8	) De
MIL-V-5528A	26 SEP 51	Fluid pwr	USAF/Navy	n	AS	1650	Gen	Gen	Gen	Gen	eg S
Valves, Hydraulic Controllable Check No S/V Provisions	 ntrollable Check										
MIL-V-5530C	19 SEP 73	Fluid pwr	Triservice	n	11	1650	Gen	<del>5</del>	Gen	Cen	Gen
Valves, Aircraft Hydraulic Shuttle No S/V Provisions	aulic Shuttle										
MIL-V-6164C	02 JUN 70	Fluid pwr	Triservice	n	11	1650	Gen	Gen	Gen	Gen	Gen
Valve, Aircraft, Air, High-Pressure No S/V Provisions	··· High-Pressure										
MIL-V-7908B	30 JAN 74	Env cont	Triservice	n	71	1660	Cen	Gen	Gen	Gen	Sen
Valves, Check, Aircraft Low Pressure Oxygen Systems No S/V Provisions	 ift Low Pressure (	Oxygen Systems									
MIL-V-8608A (2)	99 NOV 66	Fuel sys	Triservice	n	11	2915	Gen	Gen	Cen	Cen	Gen
Valves, Fuel Shutoff. Electric No S/V Provisions	. Electric Motor O	Motor Operated									

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Fluid pwr

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MIL-V-19068A

Valves, Shuttle, Hydraulic Aircraft, Type II Systems No S/V Provisions

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MIL-V-25023B (2)

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope		Ref Rymt QA	<b>\$</b>	Def
MIL-V-8813	20 NOV 57	20 NOV 57 Fluid pwr	USAF/Navy U 71 4820	n	71	4820	Gen	Gen	Gen	æ	Gen
Valve, Aircraft, Hydraulic Pressure Relief, Type II Systems No S/V Provisions	aulic Pressure Reli	ef, Type II Syst	ems								
MIL-V-19067A	30 APR 57	57 Fluid pwr	USAF/Navy	n	AS	1650	Gen	Gen	Gen	Gen	Gen
Valve, Aircraft Hydraulic Controllable Check (Type II Systems) No S/V Provisions	 nulic Controllable	Check (Type II	Systems)								

Ş **E** 1660 71 Þ USAF Valve, Oxygen Check, for 70-psi Oxygen Converters No S/V Provisions Env cont 19 SEP 72 Valve, Fuel Drain, Self-Locking No S/V Provisions MIL-V-25514C (1)

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Valves, Fuel Level Control, Fuel Tank, Aircraft General Specification for No S/V Provisions

19 MAY 66 Fuel sys

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Deficiencies

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Romt	<b>v</b> o	ž
MIL-V-25675B (4)	02 MAY 72	Fluid pwr	Triservice	n	11	1650	Gen	Gen	Gen	Gen	Cen
Valves, Check, Miniature, Hydraulic, Aircraft and Missile No S/V Provisions	re, Hydraulic, A	ircraft and Missile									
MIL-V-25962B	26 SEP 73	Env cont	USAF	n	71	1660	Gen	Gen	Gen	Gen	Cen
Valve, Liquid Oxygen Drain No S/V Provisions	···									•	
MIL-V-27162A	19 JAN 73	Fluid pwr	USAF	n	=	6615	Gen	Gen	Gen	Gen	Gen
Valve, Servo Control, Electro-Hydraulic, General Specification for No S/V Provisions	 :lectro-Hydrauli	c, General Specific	ation for								
MIL-V-27393A	24 FEB 64	Fuel sys	Army/Navy	ם	11	1560	g	Cen	Gen	Spec	None
Valve, Safety, Fuel Cell Fitting, Crash Resistant, General Specification for 1-Classification; 2-Ref Documents; 3.6.2.1-Hydraulic Surge Due to Gunfire; 4.8-Test; 6.1-Intended Use	Fitting, Crash Documents; 3.6	Resistant, General .2.1-Hydraulic Surg	Specification f ge Due to Gun	or îre; 4.8-	Fest; 6.1	-Intended	Use				

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	<b>Ø</b>	ž
MIL-V-38398	16 FEB 65	Propul/pwr	Triservice	n	=	2995	Gen	Gen	Gen	Ş	Š
Valve, Starter Control, Aircraft No S/V Provisions	, Aircraft Engine	Engine, General Specification for	ation tor								
MIL-W-85F	18 SEP 72	Avionics	Triservice	n	EC	5985	Gen	દુ	Gen	E	Sen
Waveguide, Rigid, Rectangular, General Specification for No S/V Provisions	··· :tangular, Genera	l Specification fo									
MIL-W-3970A 18 SEP 63 Avionics Supplement 1 15 OCT 63 Waveguide Assemblies, Rigid, General Specification for No S/V Provisions	18 SEP 63 15 OCT 63 5, Rigid, General	Avionics Specification for	Triservice	ŭ	EC	5985	Gen	Gen	Gen	Gen	Gen
MIL-W-5013H (1)	14 SEP 71	Launch/rec	Triservice	D	11	1630	Gen	Gen	Gen	Gen	Gen
Wheel and Brake Assemblies, Aircraft No S/V Provisions	mblies, Aircraft										
MIL-W-5088E (1)	07 JUN 73	Elec pwr	Triservice	n	AS	1500	5	Gen	Ger	g	Ş
Wiring, Aircraft, Selection and No S/V Provisions	tion and Installation of	tion of									

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Remt	\$	Det
MIL-W-5424B (1)	10 JAN 72	Flt cont*	Triservice	n	82	4010	Cen	Se .	Şe	g	g
Wire Rope, Steel (Corrosion-Resisting) Flexible, Preformed (For Aeronautical Use) No S/V Provisions	osion-Resisting)	Flexible, Preform	ned (For Aeron	autical U	<b>%</b>						
MIL-W-7233A	.01 DEC 71	Env cont	USAF	n	=	1680	Gen	Cen	Gen	Sen	Cen
Windshield Wiper System, Electric, Aircraft, General Requirements for No S/V Provisions	··· em, Electric, Air	craft, General Re	quirements for								
MIL-W-7622B	13 MAY 65	Armament	Triservice	n	AS	14GP	Gen	Sen	None	Gen	None
Weapon Systems, Guided Missiles, General Specification for 1-Scope, 2-Ref Documents; 3.5-Vuinerability to Countermeasures; 4-Tests; 6-Notes	led Missiles, Ger ents; 3.5-Vuiner	eral Specification ability to Counte	n for rmeasures; 4-Te	ests; 6-No	ites						
MIL-W-8160D (1)	24 DEC 63	Armament	Triservice	n	11	1420	Gen	Gen	Gen	Sen G	Gen
Wiring, Guided Missile, Installation S/V Provisions	. Installation of,	on of, General Specification for	ation for								
MIL-W-13855D	21 FEB 7?	Armament	Triservice	n	WC	1005	Gen	Gen	Gen	Sen	g.
Weapon, Small Arms and Aircraft Armament Subsystems, General Specification for No S/V Provisions	 nd Aircraft Arm	nament Subsysten	ns, General Spec	cification	for						

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Quality Assurance Terms and Definitions No S/V Provisions

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Repmt	<b>V</b> O	Ğ
MIL-W-23351	09 JUN 62	Avionics*	Triservice	ם	23	5985	Gen	gen Gen	Gen	\$	Gen
Waveguides, Single and Double Ridged (Bandwidth Ratios 3.6:1 and 2.4:1), General Specification for No S/V Provisions	···	. (Bandwidth Rati	os 3.6:1 and 2	.4:1), Ger	erai Spe	cification	for				
MIL-W-81560	12 SEP 67	Armament	Navy	n	AS	13GP	Gen	Sen	Spec	None	None
Weapon, Biological and Chemical, General Design Specification for 1-Design Objectives; 2-Ref Documents; 3-Requirements; 4.5.7-Bulle	nd Chemical, Gen 2-Ref Documents	General Design Specification for nents; 3-Requirements; 4.5.7-Bullet Sensitivity Test .50 Cal M-2 API; 6.1-Intended Use	ication for 4.5.7-Bullet S	ensitivity	Test .50	Cal M-2 /	API; 6.1-Is	ntended L	Jse		
MIL-W-81752	23 APR 70	Crew sta	Navy	ם	AS	1560	Gen	Gen	None	Spec	None
Windshielded System, Fixed Wing Aircraft, General Specification for 1-Scope; 2-Ref Documents; 3.6.6.2-Ballistic Impact Resistance of Forward Windshield and Side Windows; 4-Tests; 6.1.1-Intended Use	Fixed Wing Airn ments; 3.6.6.2-Ba	Aircraft, General Specification for 2-Ballistic Impact Resistance of For	cification for istance of Forv	vard Wind	khield a	nd Side W	indows; 4	-Tests; 6.	1.1-Intend	ed Use	

Standards and Specifications, Order of Precedence for the Selection of No S/V Provisions

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Remit	<b>5</b>	Det
MIL-STD-188C	24 NOV 69	Avionics	Triservice	D	EL	MISC	Gen	Gen	Gen	Sen	čen
Military Communication System No S/V Provisions	on System Techr	Technical Standards									
MIL-STD-203E	01 AUG 67	Crew sta*	Triservice	n	AS	1510	Gen	Gen	Gen	Sen	Cen
Aircrew Station Controls and Displays for Fixed Wing Aircraft No S/V Provisions	rols and Displays	for Fixed Wing /	Aircraft								
MILSTD-250C	98 JUL 68	Crew sta	Triservice	'n	=======================================	1520	Gen	Cen	Gen	Gen	Cen
Aircrew Station Controls and Displays for Rotary Wing Aircraft No S/V Provisions	ols and Displays	for Rotary Wing	Aircraft								
MIL-STD-401B	26 SEP 67	Structure	Triservice	n	AS	2680	Gen	Gen	Gen	Gen	Cen
Sandwich Constructions and Core No S/V Provisions	··· ns and Core Mate	Materials, General Test Methods	st Methods								
MIL-STD-446B	02 SEP 70	Env cont	Triservice	n	11	MISC	None	Cen	None	None	None
 Environmental Requirements for Electronic Parts I-Nuclear Radiation (Pulse); 2-Ref Documents; 5.1(P) Thru (U)-Nuclear Radiation; 6.18 Thru 6.22-Nuclear Radiation	rements for Elect Pulse); 2-Ref Doc	Electronic Parts if Documents; 5.1(P) 1	Thru (U)-Nucle:	ar Radiati	on;6.18	Thru 6.2	2-Nuclear	Radiation	_		

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MIL-STD-662B

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Class Prep	FSC		Ref	Scope Ref Ramt QA	8	ă
MIL-STD-490 (1) Specification Practices No S/V Provisions	30 OCT 68	68 Config	Triservice	n	10	10 MISC	eg S	Gen	Gen	3	\$
MIL_STD-499 (1) 17 JUL  System Engineering Management No S/V Provisions	17 JUL 69 Config 	Config	USAF	n	10	MISC	Spec	Spec	Spec	Spec	Spec

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iterial nents; 3.2-Test Methodology; 4-Test Equipment; 5-Detailed Requirements
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25 SEP 68	
MIL-STD-698A	• • • •

Quality Standards for Aircraft Pneumatic Tires and Inner Tubes No S/V Provisions

None Spec None સુ MISC Definition of Effectiveness Terms for Reliability, Maintainability, Human Factors, Safety AS Triservice Config 25 AUG 66 10 MAR 70 MIL-STD-721B Notice 1

1-Give Terms a Common Meaning; 2-Not Applicable; 3-Definition of Survivability, None on Vulnerability; 4-Not Applicable; 6-Not Applicable

None

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Remt	80	Def
MILSTD-768	01 JUN 62	Structure	USAF/Navy	n	AS	MISC	Gen	Gen	Gen	Cen	Cen
Instructions for Repair of Aircraft and Weapons Sandwich Structures, Part II, Metal Construction No S/V Provisions	of Aircraft and	Weapons Sandw	ich Structures, l	Part II, M	letal Con	struction					
MIL-STD-768A	11 SEP 70	Structure	USAF/Navy	n	AS	MISC	g	Gen	Gen	Cen	Gen
Instructions for Repair of Aircraft and Weapons Reinforced Plastic and Sandwich Structures No S/V Provisions	of Aircraft and	Weapons Reinf	orced Plastic and	l Sandwic	th Struct	ures					
MIL-STD-780D	01 JUL 72	Config	Navy	Þ	AS	MISC	Cen	Sen	Gen	Sen	Sen
Work Unit Codes and Maintenance Engineering Analyses Control Numbers for Aeronautical Equipment No S/V Provisions	··· Maintenance En	gineering Analys	es Control Num	bers for /	Aeronaut	ical Equip	men!				
MIL-STD-801	27 MAY 59	Propul/pwr	Triservice	D	Ξ	4730	Gen	Gen	Gen	Gen	g
Acceptance Standards for Powerplant Fluid Tank Fittings No S/V Provisions	for Powerplant	Fluid Tank Fitti	Sâu								
MIL-STD-810B (4)	15 JUN 67	Config*	Triservice	n	Ξ	MISC	Spec	Spec	Spec	Spec	Spec
Environmental Test Methods No S/V Provisions	 spouts										

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Class Prep	FSC	Scope	Ref	Rqmt	<b>*</b>	2
MIL-STD-850B	03 NOV 70	Crew sta	Triservice	n	=	11 1500	ર્ક	Gen	35	5	કુ
Aircrew Station Vision Requirements for Military Aircraft No S/V Provisions	··· on Requirements (	or Military Aircra	병								
MIL-STD-872	26 AUG 66	Config	USAF	Ω	11	11 1500	Se	ફુ	Cen	3	5
Test Requirements and Procedures for Aircraft Emergency Ground and Ditch Escape Provisions No S/V Provisions	od Procedures for	Aircraft Emergen	cy Ground and	Ditch Es	cape Pro	ovisions					
MIL-STD-882	15 JUL 69	Config	Triservice	n	10	10 MISC	En	Gen	None	Gen	Spec
System Safety Program for Systems and Associated Subsystems and Equipment, Requirements for 5.8.2.1(9)-Safety From a Vulnerability and Survivability Standpoint by Use of Various Types Armor Fire Suppression Systems Subsyster	m for Systems an	d Associated Subsy and Survivabili	systems and Eqity Standpoint	uipment, by Use	Require of Vario	ements for ous Types	Armor Fi	ire Suppr	ession Sys	stems Sul	bsyster

Deficiencies

Environmental Control, Environmental Protection, and Engine Air Bleed Subsystem Analyses No S/V Provisions

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MIL-STD-890

Protection and System Redundancy

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MIL-STD-1247B

Marking, Functions and Hazard Designations of Hose, Pipe, and Tube Lines for Aircraft No S/V Provisions

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Class Prep	EL		ΑV	econdary
Class	n		n	rimary/S
Service	Triservice		Triservice	Threat 4-Gen Rqmt F
Subsystem	Elec pwr	tion and Use of	Crew sta*	uclear Weapons 3-Definitions;
Date Date	11 JUN 70	and Coils Selec	29 SEP 72	quirements Nonn tef Documents;
Document Number Amend/supp Title Provisions Cited	MIL-STD-1286	Transformer, Inductors, and Coils Selection and Use of No S/V Provisions	MIL-STD-1288 (1) Notice 1	Aircrew Protection Requirements Nonnuclear Weapons Threat 1-Protect Aircrew; 2-Ref Documents; 3-Definitions; 4-Gen Rqmt Primary/Secondary Threats; 5-Detail Rqmt for Seat/Body/Crew Station

Deficiencies

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Sen Sen Gen Sen 5985 EC Triservice Avionics Armor; 6-Test Rqmt and Procedures 01 FEB 68 Switch, RF Coaxial, Selection of MIL-STD-1329 1-Protect

No S/V Provisions

Sen 5985  $\Xi$ Triservice Avionics 21 NOV 69 MIL-STD-1352

Attenuator, Fixed, Selection of

No S/V Provisions

Triservice Avionics 16 MAR 70 MIL-STD-1358

Waveguides, Rectangular, Ridged and Circular, Selection of No S/V Provisions

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MIL-STD-1377

MIL STD-1389  Design Requirements No SAY Provisions	MIL-STD-1389 14 MAR 73 Avionics Navy  Design Requirements for Standard Hardware Program, Electronic Modules	Avionics dware Program,	Navy Electronic Mod	U ules	28	EC MISC	Gen	Gen	Çey	Gen	3
•	02 JAN 73 01 JUN 73	Config	Navy	D	X	MISC	Gen	Gen	Gen	Gen	Gen
	16 JUN 72	Avionics	Triservice	D	MU	2990	ğ	Gen	Gen	Ş	સુ

None None None MU UOJK Þ Triservice Armanent 16 AUG 71 MIL-STD-1455

Resolver, Electrical, Selection of No S/V Provisions

None

None

Dispenser and Sub-Munition, Air Delivered, Safety Design and Safety Qualification

1-Safety Criteria; 2-Ref Documents; 3-Definitions; 4.3.1.3(D)-Bullet Impact Damage Flight Environment Criteria, 4.3.1.5(D)-Logistics Handling

Bullet Impact Criteria; 5-Test Methods Table I

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	<b>v</b> o	Def
MIL-STD-1472A	15 MAY 70	Config	Triservice	n	MI	MISC	Gen	Cen	Gen	Cen	Gen
Human Engineering Design Criteria for Military Systems, Equipment, and Facilities No S/V Provisions	 Jesign Criteria for	Military Systems.	, Equipment, a	nd Facili	ties						
MIL-STD-1511	12 JAN 71	Crew sta	USAF	Ω	==	1680	Gen	Sen	સુ	Gen	<b>5</b>
Inflight Emergency Escape Systems, Aircraft, Requirements for No S/V Provisions	scape Systems, Ai	ircraft, Requireme	ents for								
MIL-STD-1512	21 MAR 72	Armament	USAF	Ω	=	MISC	Gen	Gen	Sen	Gen	કુ
Electroexplosive Subsystems, No S/V Provisions	···· systems, Electrica	· · Electrically Initiated, Design Requirements and Test Methods	gn Requiremen	its and Te	st Meth	spo					
MIL-STD-1516	02 APR 71	Structure	USAF	ņ	\$	8010	Gen	Gen	Gen	Gen	Sen
Coating For Aircraft and Missiles No S/V Provisions	and Missiles										
MIL-STD-1519	17 SEP 71	Config	USAF	n	=	MISC	Gen	Cen	Gen	Gen	Çea C
Test Requirements Document, Preparation of No S/V Provisions	ocument, Prepara	tion of									

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None None None None	20.3.1.F, 30.2.1.K, 40.1.3.1.C(11)-Review S/V Requirements During SDR, PDR, and CDR; 20.3.12-System Compliance With Nuclear Hardening Requirements  MIL-STD-1530 01 SEP 72 Structure USAF U 11 1500 None None None None None  Aircraft Structural Integrity Program, Airplane Requirements 5.1.2.2-Battle Damage Criteria, 5.2.5-Battle Damage Tolerance Analysis, 5.2.10-Nuclear Weapons Effect Analysis, 5.2.11-Nonnuclear Weapons  Effect Analysis, 5.3.2-Battle Damage Tolerance	12-System Compliance With Nuclear None None None None Analysis, 5.2.11-Nonnuclear Weapons None None None None	12-System Compliance With Nuclear None None None None Analysis, 5.2.11-Nonnuclear Weapons None None None Cen Gen Gen
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U 13 Programs ng SDR, PD	U 11 is, 5.2.10-Nu	U 11 is, 5.2.10-Nuc U 11	U 11 U 11 U 11 U 10
Triservice, and Computer Puriements Duri	USAF ements oderance Analysi	USAF ements olerance Analysi USAF ements s of Protection	USAF sments olerance Analysi USAF ements s of Protection USAF
Config systems, Equipment	Structure Airplane Require Sattle Damage T	Structure USAF 1, Airplane Requirements 5-Battle Damage Tolerance Analyage Tolerance Propul/pwr USAF iical Design Requirements Suggested Methods of Protection	Structure 1, Airplane Require 5-Battle Damage T age Tolerance Propul/pwr nical Design Requir Suggested Method Config
Date 01 SEP 71 nd Audits for Syste 40.1.3.1.C(11)-Re	IL-STD-1530 01 SEP 72 Structure reraft Structural Integrity Program, Airplane Re 1.2.2-Battle Damage Criteria, 5.2.5-Battle Dama Effect Analysis, 5.3.2-Battle Damage Tolerance	ol SEP 72 ntegrity Program, A ge Criteria, 5.2.5-E 3.2-Battle Damage 29 SEP 72 i Turbine, Technica	ol SEP 72 ntegrity Program, / ge Criteria, 5.2.5-E 3.2-Battle Damage 29 SEP 72 r Turbine, Technica
Amend/supp Date Title Provisions Cited  MIL-STD-1521 01 SEP 71 Config Triservice U  Technical Reviews and Audits for Systems, Equipment, and Computer Programs 20.3.1.F, 30.2.1.K, 40.1.3.1.C(11)-Review S/V Requirements During SDR, Hardening Requirements	MIL-STD-1530 01 SEP 72 Structure Usericaft Structural Integrity Program, Airplane Requirements 5.1.2.2-Battle Damage Criteria, 5.2.5-Battle Damage Tolerance Effect Analysis, 5.3.2-Battle Damage Tolerance	MIL-STD-1530 01 SEP 72 Structure US  Aircraft Structural Integrity Program, Airplane Requirements 5.1.2.2-Battle Damage Criteria, 5.2.5-Battle Damage Tolerance  Effect Analysis, 5.3.2-Battle Damage Tolerance  MIL-STD-1534 29 SEP 72 Propul/pwr US   Engine, Aircraft, Gas Turbine, Technical Design Requirements 5.27-Survivability/Vulnerability and Suggested Methods of Pro	MIL-STD-1530 01 SEP 72  Aircraft Structural Integrity Program 5.1.2.2-Battle Damage Criteria, 5.2.  Effect Analysis, 5.3.2-Battle Dam MIL-STD-1534 29 SEP 72   Engine, Aircraft, Gas Turbine, Techn 5.27-Survivability/Vulnerability and MIL-STD-1535 01 DEC 72   Supplier Quality Assurance Program No S/V Provisions

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	Service	Army	Program Red Documents;	Triservice
	Subsysten	70 Config	oility/Vulnerability Detection; 2-Ref	67 Config
	Date Date	07 SEP 70	 Standard Survivat Unerability and	24 NOV 67
	Document Number Amend/supp Title Provisions Cited	ADS-11	Aeronautical Design Standard Survivability/Vulnerability Program Requirements  1-Reduction of Vulnerability and Detection; 2-Ref Documents; 3-Definitions Contained in Text; 4-QA Not Applicable; 5-Detailed Requirements	FTM-STD-151B

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FTM-STD-406	05 OCT 61 Config	Config	Triservice	n	SH	9330	Sen	9330 Gen Gen Gen	Gen	Cen	Gen
Plastics: Methods of Testing No S/V Provisions	Testing										
SD-24K, VOL I	13 JUN 73 Config	Config	Navy	Ω	N AS	:	Gen	None	None None	None	Sen Gen
	: .	•			:	:					

General Specification for Design and Construction of Aircraft Weapon Systems, Fixed Wing i-Scope: 2 1-Ref Documents: 3.2 12-Reduce Vulnerability Per NAVAIR-0025-524, 3.4.1.3

1-Scope; 2.1-Ref Documents; 3.2.12-Reduce Vulnerability Per NAVAIR-0025-524, 3.4.1.3-Damage Tolerance to Ballistic Threat, 3.18.1 and 3.18.9-Passive Defense Includes Armor Plate, Bullet Resistant Glass and Provisions for Flak Curtains; 4-Quality Assurance As Required by Contract; 6.1-Intended Use

None င္မ AS Navy Config 06 DEC 71 SD-24K, VOL II

1-Scope; 2-Ref Documents; 3.2.12-Reduce Vulnerability Per NAVAIR-0025-524, 3.4.1.3-Damage Tolerance to Ballistic Threat, 3.18.1 and 3.18.9-Passive Defense Includes Armor Plate, Bullet Resistant Glass and Provisions for Flak Curtains; 4-Quality Assurance as Required by General Specification for Design and Construction of Aircraft Weapon Systems, Rotary Wing Contract; 6.1-Intended Use

Metals: Test Methods No S/V Provisions